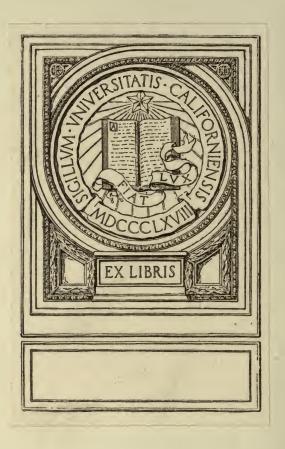
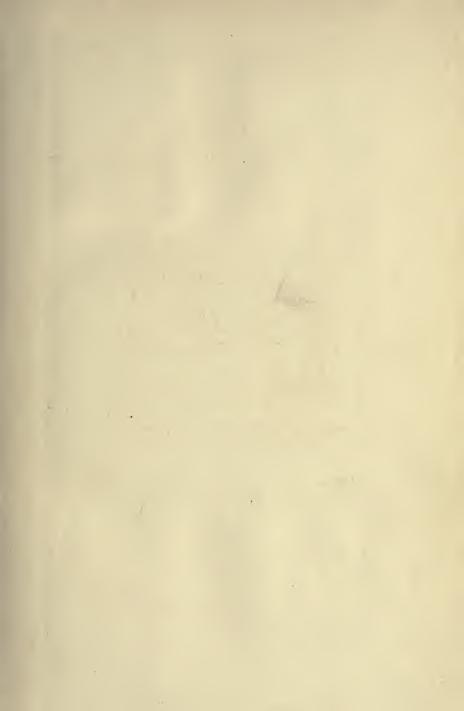


Analysis and Cost of Ready to Serve Foods

GEPHART-LUSK





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Analysis and Cost of Ready-to-Serve Foods

A STUDY IN FOOD ECONOMICS

F. C. GEPHART

Chemist of the Russell Sage Institute of Pathology, in affiliation with the Second Medical Division of Bellevue Hospital

WITH AN INTRODUCTION BY

GRAHAM LUSK

Professor of Physiology of the Cornell University Medical College, and Scientific Director of the Russell Sage Institute of Pathology

NEW YORK



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I. INTRODUCTION

BY GRAHAM LUSK

Very early in his scientific career, in the year 1877, Atwater turned his attention to the question of the nutrition of the people. The many valuable bulletins published by the United States Department of Agriculture testify to much splendid study into the problems of food for the multitude. And yet little practical use has come of it all. Why then talk about nutrition? A critic writes, "We need food, but do we need books to remind us of our need? And as an unanswerable challenge another critic cries. "Does Professor X eat his own diet?" It is truly stated that normal nutrition is associated with appetite, and it is therefore argued that the appetite is not to be controlled by knowledge. One has only to recall the appetite for drink to realize the utter fallacy of this argument. A glass of beer or a glass of wine taken at the end of a wearisome day is not of demonstrable evil and may be of benefit to the digestion. Yet to follow the appetite when it leads to drink in excess is of injury to the body, the mind and the economic

welfare of the individual and therefore inimical to the welfare of the state.

But why repeat such self-evident truths? Has not enough been said? Are not words wasted in repetition of the obvious? In defense one may recall a scene at the New York Academy of Medicine in which Sir William Osler maintained that the essence of successful teaching consisted in "Reiteration, reiteration, reiteration." One of the audience present qualified this definition by adding the words, "without irritation." If successful teaching be accepted as "reiteration without irritation," let the following presentation be an attempt in that direction.

Food has been defined as a well-tasting mixture of foodstuffs of such a composition that the body is not injured by its use, and of sufficient quantity to maintain the body in good condition.

One may consider this definition under three headings.

1. Value of flavor.

- 2. Importance of composition.
- 3. Importance of quantity.

VALUE OF FLAVOR

It is known to all that the sight of appetizing food "makes the mouth water." It is known, however, to comparatively few that the sight of such food "makes the stomach water" in the same sense. That is to say, a flow of gastric juice is set up in the stomach. This flow is accelerated by the actual taste of the food, so that a large amount of valuable digestive fluid is set to flowing merely through the psychic appreciation of flavor. When food is taken without appetite, this important preliminary flow of gastric juice does not take place and proper digestion is rendered more difficult. Not only this, but the glands lying deeper down in the intestines yield their digestive juices in larger measure, the greater the quantity of gastric

juice which passes from the stomach into the intestine. The appetite is like a magic wand influencing the whole of the digestive process. Fear and anger lead to a parched throat, and in an entirely similar manner to a parched stomach, so that food cannot be well digested under these circumstances. It is familiar to all that the sight, smell or sound of anything repellant will cause loss of appetite. The writer has seen an artist faint when an operation of Dr. Carrel became the subject of a dinner conversation where men and women were present. The appetite is favored by the extraneous refinements of civilized life, such as a spotless table cloth. It would also be affected by the cleanliness of the preparation of the food could one always look behind the scenes. It is affected by the atmosphere of cheer at the table. Neither scolding parents nor snarling children facilitate the digestion of the Christmas dinner.

The question of flavor in all its ramifications is therefore a very important one. It is one of the pit-falls of the prescribing physician, because he is very likely to believe that what he likes is excellent and what he detests is bad. The great multitude of people like pickles, but some do not; the latter class must not argue that pickles are therefore injurious. The common foods of life, such as potatoes, tomatoes, and bananas, all have their personal enemies based on dietetic prejudices which are largely imaginary, although as a psychosis the manifestations of repulsion are very real.

IMPORTANCE OF COMPOSITION

A celebrated school mistress once asked that a book be written which would tell her what apple sauce was without introducing the terms protein, carbohydrate and fat. Alas, that is impossible. It would be like teaching architecture without mentioning brick, granite and marble!

But the knowledge is not recondite. Protein is the characteristic solid constituent of muscle. The protein framework is essential for the manifestation of those properties whose aggregate is called life. And besides this, water and salts enter into the organization of the living particles. These salts are as varied as are those of the sea water and they are essential to living things. In vertebrates, salts are further used to build the larger framework of the bones. When various molecules of protein are united in a certain definite order with water and salts, life is possible. If the definite order is disturbed, death results. depends on the arrangement of the particles. recalls the story of the Yankee who, during the winter months, sold a "sure cure for potato bugs" with the caution "not to be opened till wanted for use" and with the promise of instructions for use inside the package. In the summer time, on opening the package the farmer found two small cubes with the directions "place the potato bug on one cube and press firmly with the other." Death not only takes place through such disarrangement of the particles, but also it may follow on the influence of a poison which prevents the proper functioning of the living thing.

A peculiarity of living tissue is that a part of its protein is constantly being broken down and replaced by repairing material. It is as if structural units were constantly being dissolved out of a building and automatically replaced by new ones. In the human body about two and one-half parts out of a thousand of its protein are thus daily renewed. It is as if one structural unit out of every four hundred in a building were replaced with a new one every day. For this reason one must eat protein. This is repair protein to replace that lost in the wear and tear on the machinery of the cells.

Protein is the essential constituent of all meats, fish and eggs; it is a large constituent of milk, and

mixed with fat is the essential constituent of cheese. Protein is not a simple chemical substance, but it may be broken into seventeen different fragments. This is what happens when protein is digested in the stomach and intestines. These fragments are absorbed by the circulating blood and when they are carried to the different tissues the fragments are put together in a manner which is characteristic for each tissue. Suppose each structural unit in a building were made up of seventeen parts, all of them different, such as gold, silver, iron, lead, tin and so on, and when one of these larger structural units went into the scrap heap suppose there were always present a supply of all the several varieties of new parts necessary to build another like it; then one has an analogy of what happens. One might imagine that these seventeen different units might be arranged in different ways, depending on the use to which the particular structural unit was put. In like manner, it comes to pass that the protein of milk is split into fragments in the baby's stomach and these various fragments are absorbed by the blood and are carried by this medium to the different organs of the baby's body, there to build up the structure of each particular organ after its own particular way. The seventeen different chemical units known to occur in protein may be joined together in different ways so that 350 million times a million different combinations are possible even though only a single representative of each unit is used (Abderhalden). In this they resemble the multiplicity of combinations possible with the letters of the alphabet. On account of this it is possible to build liver protein or muscle protein out of milk protein. In the muscles of fish and in the white of egg there are again other variations in the order of those letters of the protein alphabet, and therefore, these proteins are distinctive. These proteins contain all the seventeen units and are therefore capable of repairing any tissue. It has been

suggested that such proteins be called proteins of Grade A.

Proteins are also found in all vegetable foods. The vegetables contain some complete proteins, that is, those which have the full array of seventeen individual units, but they also contain some incomplete proteins, that is, those which are deficient in one or more of the characteristic units which are necessary to build up animal protein. These incomplete proteins have little or no value in nutrition. Thus it comes about that it requires a much larger quantity of vegetable proteins (which include complete and deficient proteins) to maintain the machinery of the body in repair, than when animal protein is given in the form of meat, eggs, fish, milk or cheese.

It must be remembered, however, that when a person is engaged in active labor or excessive exercise he may be able to obtain a very liberal supply of proteins of the higher grade in the large quantity of vegetable foods of which he partakes. This gives a scientific explanation to the saying which has become proverbial, "the railways of the country have been built on beans."

Attention is called to the generally overlooked value of milk protein.

There is no danger of protein undernutrition in this country. The general trend is toward protein extravagance, that is, its ingestion and destruction in excess of the needs of repairing the tissues. This is due to the fact that to most normal men a beefsteak represents the choicest of good things. Here appetite triumphs over reason and economy. If one listens attentively one hears again a rumbling note, "Would Professor X eat his own diet?"

Yet the matter of enormous meat consumption is one of serious economic importance which is not to be lightly tossed aside. The following table prepared by Rubner indicates the quantity of meat consumed per head of population (adults and children) in the various nations of Europe and also the increase in the consumption of meat in Germany during the last hundred years.

TABLE 1.—RUBNER'S TABLE OF MEAT CONSUMPTION IN

	Present Consumption of Meat Per Capita	Consumption in Germ Differen	any in
	Per Year, Pounds	Date	Pounds
Germany England France	115 105 74	1912 1900	115 102
Belgium and Holland Austria-Hungary Russia.	75 64 59	1892 1873 1840	72 65 48
taly	23	1816	30

There is little doubt that excessive consumption of meat constitutes a grave and unnecessary economic waste. The increased cost of food falls most heavily on this item of indulgence and its ever-increasing price follows as much the law of supply and demand as does the price of champagne, and, for the same reason, the price of flavor for those who have the price. It is part of the spirit that demands the motor car, the luxuries of life as well as its necessities.

As regards the utility of carbohydrate and fat in the food, one may especially attribute to them a value as fuel. They are oxidized in the body and keep the body warm and when work is accomplished they furnish the energy with which to perform it.

The carbohydrates consist in sugars and starches. The latter are convertible into sugars in intestinal digestion. One can speak of cornstarch as equivalent to the sugar into which it is convertible. Cane sugar has essentially the same value in nutrition as starch. The two belong to the same group and yet are not identical, and so the layman must learn the cumbersome term carbohydrate as the common name for the physiologically identical sugars and starches.

The great staple starchy foods include rice, potatoes, bread, beans, macaroni and corn. These are the cheapest food fuels. They all contain protein but their principal constituent is starch, which when converted into sugar is as much a fuel for the body as gasoline is for the automobile.

Fat is taken in the food with most meats. largely consumed as lard and also as butter. contain 50 per cent. of their weight as fat. The fats are a far more costly fuel than the carbohydrates, although they serve a similar purpose in nutrition. The advantage of taking a diet which includes a mixture of carbohydrates and fats lies in the fact that the intestine is not called to excessive effort in caring for the digestion and absorption of a large quantity of a single food material, and that equivalent amounts of fat are less bulky than carbohydrates. The disadvantages of a large use of fat are, first, its original cost, and, second, the fact that its ingestion diminishes the intake of vegetables and hence the amount of cheap vegetable proteins, thereby making fat indirectly a still more expensive food.

There are important accessory factors to be discussed concerning food. These are the fibrous roughage of cellulose, the salts of the diet and the so-called vitamins.

Sylvester Graham used unbolted wheat flour with which to make Graham bread. The cellulose here produces a freer movement of the bowels. Of similar import is the use of spinach, cauliflower, lettuce, cabbage, asparagus and tomatoes. These substances have almost no fuel value, but they can be prepared to serve with large quantities of fats or oils, and they furthermore give flavor and variety to the fare of the table.

The salts of the food are extremely important. Thus, if calcium be withheld from the diet of experimental animals the bones become porous and finally break. Such conditions are not found in human life, for the foods ingested always contain sufficient salts to replace those lost from the body. It has been found that when meats are oxidized they yield an acid ash, whereas vegetables usually yield an alkaline ash. It has been recently shown by Blatherwick that of all vegetables potatoes yield the greatest amount of alkaline ash for the use of the body, and that this alkali is most effective in dissolving and eliminating uric acid from the system. In the light of this, potatoes are highly desirable, not only in health, but also in the gouty condition. Yet one of the dietetic fads of the day is to eliminate potatoes from the bill of fare, a really absurd practice, always excepting the cases of those individuals who manifest personal repugnance to potatoes.

Finally, there is a class of substances which exists in minute quantities in some foods and little or none This class is called that of the vitamins. in others. Thus, individuals who live almost exclusively on polished rice acquire the disease of beriberi, and a similar monotonous diet of bread develops scurvy. diet of bread and water does not maintain the strength of the organism and has been used as a disciplinary Minute quantities of vitamins are found, for example, in meat, in butter and in unpolished rice, but they are absent or deficient in polished rice, bread and lard. The vitamins are absolutely necessary for the proper harmonious maintenance and growth of the body. This statement should cause no alarm. is no beriberi in the United States, for here rice does not ever form the dietary mainstay of the individual. There is practically no scurvy, although it has been known to occur in almshouses, where motives either of economy or graft have deprived the inmates of suitable food.

Summarizing, one can state that in the United States there is no protein, or salt or vitamin deficiency in the habitual diet, and there is plenty of roughage in the form of cabbage, sauerkraut or other vegetable foods available to him that desires it.

THE QUANTITY OF FOOD

Generally speaking, the mass of food ingested serves two functions, the protein is of use in the maintenance and repair of the cell machinery, and the carbohydrate and fat furnish fuel to this machinery that the motions of life may continue. Protein given in excess also serves the purpose of fuel, as do carbohydrates and fat. In the oxidative destruction of these materials in the body heat is liberated. When 1 gram of fat is burned sufficient heat is produced to raise the temperature of 1 liter of water 9.3° C. (= 16.5° F.). Since the unit of heat measurement or the calorie is that quantity of heat required to raise 1 liter of water 1° C., it follows that 9.3 calories of heat are set free whenever 1 gram of fat is oxidized. The heat liberated in the body when 1 gram of fat is oxidized is exactly the same as when it burns outside the body. The similar value for starch is 4.1 calories per gram. In the case of protein, 4.1 calories are liberated whenever a gram of this material is oxidized within the organism. When, therefore, protein is consumed in excess, the excess has no greater fuel value than an equal weight of starch. Here then are the fuel resources which keep the body warm, maintain the heart and respiration, and the activity of the other organs, and enable the muscles to perform work. Since every machine requires more fuel when it is active than when it is at rest, it follows that the greater the activity of the body the greater will be the requirement for fuel.

The figures in Table 2 may be accepted as estimates of the fuel requirement of a man weighing 156 pounds (70 kilograms) during a twenty-four-hour period:

^{1.} Lusk: The Fundamental Basis of Nutrition, Yale University Press, 1914.

It appears from this that that great class of human beings whose business it is to sit at their desks or to watch machinery, and who may walk to and from their work, require 2,500 calories. In their class are included writers, draughtsmen, tailors, physicians and other professional men, clerks, accountants, etc. Mental effort is accomplished without any increase in the quantity of energy required.

Individuals who stand at their work, such as bakers, dentists, car conductors, decorators and glass workers, require about 3,000 calories. If muscular labor be constant, more is required. Thus carpenters making tables and painters painting furniture require 3,300 calories. Farmers require 3,500 calories, stone masons 4,500, lumbernien 5,000 and over, and a man riding in a bicycle race during twenty-three hours requires 10,000 calories a day.

TABLE 2.—DAILY CALORIC REQUIREMENTS OF 156 POUND
(70 K.) MAN

Absolute rest in bed without food	lories
Absolute rest in bed with food	1,840
Rest in bed 8 hours, sitting in a chair 16 hours, with food	2,168
Rest in bed 8 hours, sitting in a chair 14 hours, walking two hours, with food	2,488
Rest in bed 8 hours, sitting in a chair 14 hours, vigorous exer-	1
cise 2 hours, with food	2.982

These are facts which at the present time are scarcely open to dispute. The sorrowful part of it is that outside a narrow circle they are practically unknown. Physicians sometimes starve their patients and the babies entrusted to their care, in blissful and childlike ignorance of what they are doing. The poor, 50 to 60 per cent. of whose income is spent for food, waste their money in the purchase of beautiful labels or relatively expensive and unnutritious foods. A publisher employing several thousand individuals says that his employees buy from choice the products advertised in his magazines. Children of the poor are sent to buy food for the family and the whole expenditure of half the

family's income is effected in an atmosphere of unfathomable ignorance. Yet if one seeks to help, one is informed that one must not meddle with the appetites, and the funny man of the newspaper makes a witticism on the subject of "highbrow" information.

In spite of the inevitable attitude of the humorous editor, it is well to remember the severity of the winter's cold, the lack of employment, the suffering of the poor, which create a situation very far from humorous.

How can relief be given? One suggestion is to sell 1,000 calories of food in a well-balanced ration as cheaply as possible. Beans are cheap. But you don't like beans. Does Professor X eat his own diet? If beans are not acceptable, then how about macaroni and spaghetti? The meal shown in Table 3 is made

TABLE 3.—COMPOSITION OF A RATION CONTAINING 1,000 CALORIES

	Ounces	Calories
Cooked beansPork.	7% 1	400 234
Bread. Butter. Milk	21/2 1/2 5	180 103 100
Coffee	5	
Total		1,017

up of 1,000 calories and contains 16 per cent. of those calories in protein, one-sixth of the protein being in the form of animal proteins of Grade A, and the rest being in vegetable proteins. The remaining 84 per cent. of the calories are nearly equally divided between carbohydrate and fat.

The actual cost price of this meal of hot pork and beans, bread and butter and a cup of hot coffee and milk is 4½ cents, excluding labor and rent, but including the coal used. The 2,500 calories required to maintain a man out of work on this diet would cost 10.6 cents a day, or \$38.70 a year. If such a thing as a "submerged tenth" really exists in this country it

would cost \$387,000,000 to feed 10,000,000 men for one year on this diet. The taxation in the United States, city, state and national, is said to be \$4,000,-000,000 annually. Ten per cent. of this sum would feed with pork and beans, bread and butter, coffee and milk, 10.000,000 men who are out of work. A similar menu just as cheap can be based on spaghetti flavored with tomato or cheese. It is not argued that a diet based on the cheaper foods is a panacea for all the woes of the world. It is not argued that such diets are the equivalent of caviar, champagne and canvas back ducks, but it is argued that good wholesome simple food should be more available for mankind at a moderate price in hours of adversity and distress than is the case to-day. People should know how they can conserve their resources without detriment to their bodily welfare.

Passing to the consideration of the nutrition of the great mass of the people it seems probable that at the present time no more valuable data can be obtained than those which may be derived from a study of the various food portions sold by the Childs restaurant establishments which are situated in many cities throughout the country. The portions served are standardized, i. e., planned to be uniform in quantity and quality and the prices are the same in all the restaurants. Mr. F. C. Gephart has completed a notable analysis of 350 different portions as they are sold to guests at these establishments. The results of these analyses have been tabulated. Table 4 gives the cost of each food if that particular variety were alone made to furnish the 2,500 calories necessary for a man leading a sedentary life, to which is added the restaurant price of these 2,500 calories and the number of portions necessary to furnish them. Portions which contain 15 per cent. of protein calories or more have received a star. Portions which contain meat, fish. egg or milk proteins are preceded with the letter A. indicating the presence of animal proteins. The material in this table is arranged in the order of the increasing price of the food. In Table 9 the name material is arranged in alphabetic order.

TABLE 4.—THE COST OF 2,500 CALORIES IN FOODS ARRANGED IN ORDER OF THEIR INCREASING PRICE

Note that when three portions furnish 2,500 calories, one portion affords a good meal. When nine portions furnish 2,500 calories, then three different portions should form the meal.

	Nutri- tional	Per Cent.	Cost	No. of Orders
	Calories	in	of	to
Name of Food	for	Bread	2,500	Make
	Five	and	Calories	2,500
	Cents	Butter		Cal.
Napoleon	453.6	• • • •	\$0.28	6
Crullers	444.0	• • • •	.28	6
Cocoanut pie	399.5 372.9	• • • •	.31	6
*A—Roast beef sandwich with roll	357.8	• • • •	.35	7
Bath buns	357.5		.35	7
Bread custard pudding	355.4		.35	7
Pineapple pie	347.4		.36	7
Corn muffins	342.2		.37	7
Apple pie	337.2		.37	7
New England pudding with vanilla				
sauce	330.7		.38	8
Chocolate spiced cakes	324.0	****	.39	8
Walnut layer cake with marshmal-	000.0		-	
low icing	323.2		.39	8
Milk crackers	317.1 298.4	• • • •	.39	8
Pumpkin pie	296.1	• • • •	.42	8
A-Lamb croquettes and mashed pota-	200.1	• • • •	.42	0
toes	291.4	29.5	.43	3
Coffee cake	290.2		.43	9
Rhubarb pie	286.8		.44	9
A-German meat cakes and French fried				
potatoes	284.5	27.2	.44	3
Old fashioned molasses cake	281.9		.44	9
Lemon pie	279.7	• • • •	.45	9
*A-Vienna roast with French fried po-	278.3	00 #	450	
tatoes Butter cakes	278.0	29.7	.45	3
Minced ham sandwich	277.3	63.8	.45	9
Pork and Boston beans	276.6	27.1	.45	3
Cornmeal cakes with maple cane	210.0	21.1	.20	J
syrup	275.2		.45	5
A-Ham croquettes	263.1	32.7	.47	5
Cold rice pudding	263.1		.47	9
Ham sandwich with roll	261.8		.48	10
Banana layer cake	253.4		.49	10
*A—Creamed chipped beef on toast	249.2		.50	3
Cocoa	247.5	00.4	.50	10
*A—Roast beef cutlet with tomato sauce *A—German meat cakes with lyonnaise	246.5	38.4	.51	3
potatoes	246.4		.51	3
*A—Swiss cheese sandwich	244.0	59.6	.51	10
* -Boston baked beans	240.3	34.2	.52	5
A-Vienna roast, spaghetti and pota-				
toes	236.3	34.0	.53	4
Chocolate cornstarch with cream	231.6		.54	11
	}	J]	

^{*} Contains 15 per cent. or over of heat in protein. A contains the protein of meat, milk, eggs or cheese.

TABLE 4.—Continued

Name of Food					
## A—American cheese sandwich	Name of Food	tional Calories for Five	Cent. in Bread and	of 2,500	Orders to Make 2,500
## A—American cheese sandwich	W - 4 - 3 143 1-	001.1		00.54	-
*A—American cheese sandwich	Wheat cakes with maple cane syrup	231.1			
## A—Country sausage ## 227.7	Milk crackers and milk	230.5	• • • •		
## A—Country sausage ## 227.7	*A—American cheese sandwich		95.5		
*A—Country sausage	Hot corp breed				
Indian pudding with maple sauce. 227.2	*ACountry sausage				
*A—Mineed tongue sandwich with tea biscuits	Indian nudding with maple sauce	227.2			
Discults	*A-Minced tongue sandwich with tea				
A_Beef cakes with brown gravy and macaroni	biscuits	225.6		.55	11
# —New York beans, on the side	Cream roll			.55	11
*—New York beans, on the side	A-Beef cakes with brown gravy and				
Graham crackers	macaroni		35.1		
A—Roast beef hash, browned	* -New York beans, on the side		• • • •		
A—Roast beef hash, browned	A Project hom		• • • •		
Oyster pie	A Posst book bash browned		98.0		
Apple taploca pudding. 217.0	Overtor pie		90.9		
Apple taploca pudding. 217.0	*A—Minced chicken sandwich		73.0		
Potato salad	Apple tapioca pudding				
Chocolate layer cake	Potato salad				
Egg plant fried in butter	Chocolate layer cake	212.4			12
Egg plant fried in butter	*A-Breaded veal cutlet and tomato sauce	211.9	33.0	.59	3
Buckwheat cakes with maple cane syrup	Egg plant fried in butter	208.7		.60	4
A—Roast beef croquettes with macaroni A—Fried bacon with French fried potatoes	Buckwheat cakes with maple cane				
A—Fried bacon with French fried potatoes A—Sardine sandwich A—Sardine sandwich A—Mineed ham sandwich with olives A—Ham and New York beans Cocanut cake Cocanut cake A—Ham and Boston beans A—Liver and onions with French fried potatoes A—Ham and New York beans A—Liver and onions with French fried potatoes A—Ham and New York beans A—Pork and New York beans Rice croquette with bacon A—Ham sandwich Baked apple with cram Cup of coffee (containing cram and sugar) A—Mince pie A—Baked beans with mashed potatoes Cherry pie Pound cake A—Lamb stew 192.2 A—Mince pie 194.1 A—Mince pie 194.1 A—Bared salt mackerel with mashed potatoes Cherry pie 194.2 A—Chicken cutlet and mashed potatoes 202.4 A—Chicken cutlet and mashed potatoes 203.5 A—Mince pie 194.1 A—Chicken cutlet and mashed potatoes 194.2 A—Chicken cutlet and mashed potatoes 194.3 Soda crackers and milk 198.6 A—Cream taploca pudding 188.6 A—Cream taploca puddin			****		
A—Sardine sandwich 207.4 .60 12	A-Roast beer croquettes with macaroni	208.3	34.3	.60	4
A—Sardine sandwich 207.4 .60 12		900 1		20	
*A—Ham and New York beans	A_Sardine gandwich				
*A—Ham and New York beans	*A-Minced ham sandwich with olives		• • • •		
Vanilla cornstarch with cream	*A-Ham and New York beans		40.2		
*A—Roast beef cutlet and mashed potatoes	Vanilla cornstarch with cream				
toes A—Lamb cutlet and mashed potatoes. 205.4 36.9 61 4 Cocoanut cake	*A-Roast beef cutlet and mashed pota-				
Occanut cake	toes				
Cream cheese walnut sandwich	A-Lamb cutlet and mashed potatoes		36.9		
*—New York baked beans with tomato sauce	Cocoanut cake				
sauce 201.5 34.8 62 6 A—Ham and Boston beans 201.3 44.6 .62 4 A—Liver and onlons with French fried potatoes 200.1 .62 3 *A—Beef stew 199.8 35.3 63 4 *A—Pork and New York beans 198.7 38.5 .63 4 *A—Ham sandwich 198.3 73.2 .63 13 Rice croquette with bacon 196.2 43.4 .64 4 Baked apple with cream 196.0 .64 6 .64 4 —Baked beans with macaroni 195.9 42.5 .64 4 Cup of coffee (containing cream and sugar) 195.8 .64 4 A—Mince pie 194.1 .64 6 *A—Lamb stew 198.6 39.6 .65 4 *A—Broiled salt mackerel with mashed potatoes 192.2 44.1 .64 6 *A—Chicken cutlet and mashed potatoes 191.5 .65 7 Pound cake 191.5	Cream cheese walnut sandwich	201.5		.62	12
A—Ham and Boston beans		901 5	24 9	69	R
*A—Beef stew	A-Ham and Roston heans				
*A—Beef stew	A-Liver and onions with French fried	201.0	11.0	.02	-
*A—Beef stew *A—Beer stew *A—Pork and New York beans 198.7 \$3.5 \$63		200.1		.62	3
A—Frankfurters and potato salad. 195.9 42.5 64 4 *—Baked beans with macaroni. 195.8 64 4 Cup of coffee (containing cream and sugar). 195.2 64 13 A—Mince ple 194.1 64 6 *A—Lamb stew 193.6 39.6 65 4 *A—Broiled salt mackerel with mashed potatoes 192.2 44.1 65 3 Cherry ple 191.5 65 7 Pound cake 191.5 65 7 Pound cake 191.5 65 7 Pound cake 191.5 66 7 Chicken cutlet and mashed potatoes 191.2 57.6 65 4 *A—Shredded wheat and milk 190.8 66 7 Oream taploca pudding 189.6 66 13 Soda crackers and milk 188.6 66 7	*A-Beef stew	199.8	35.3		4
A—Frankfurters and potato salad. 195.9 42.5 64 4 *—Baked beans with macaroni. 195.8 64 4 Cup of coffee (containing cream and sugar). 195.2 64 13 A—Mince ple 194.1 64 6 *A—Lamb stew 193.6 39.6 65 4 *A—Broiled salt mackerel with mashed potatoes 192.2 44.1 65 3 Cherry ple 191.5 65 7 Pound cake 191.5 65 7 Pound cake 191.5 65 7 Pound cake 191.5 66 7 Chicken cutlet and mashed potatoes 191.2 57.6 65 4 *A—Shredded wheat and milk 190.8 66 7 Oream taploca pudding 189.6 66 13 Soda crackers and milk 188.6 66 7	*A-Pork and New York beans	198.7			
A—Frankfurters and potato salad. 195.9 42.5 64 4 *—Baked beans with macaroni. 195.8 64 4 Cup of coffee (containing cream and sugar). 195.2 64 13 A—Mince ple 194.1 64 6 *A—Lamb stew 193.6 39.6 65 4 *A—Broiled salt mackerel with mashed potatoes 192.2 44.1 65 3 Cherry ple 191.5 65 7 Pound cake 191.5 65 7 Pound cake 191.5 65 7 Pound cake 191.5 66 7 Chicken cutlet and mashed potatoes 191.2 57.6 65 4 *A—Shredded wheat and milk 190.8 66 7 Oream taploca pudding 189.6 66 13 Soda crackers and milk 188.6 66 7	*A-Ham sandwich	198.3			
A—Frankfurters and potato salad. 195.9 42.5 64 4 *—Baked beans with macaroni. 195.8 64 4 Cup of coffee (containing cream and sugar). 195.2 64 13 A—Mince ple 194.1 64 6 *A—Lamb stew 193.6 39.6 65 4 *A—Broiled salt mackerel with mashed potatoes 192.2 44.1 65 3 Cherry ple 191.5 65 7 Pound cake 191.5 66 7 Chicken cutlet and mashed potatoes 191.2 57.6 65 4 *A—Shredded wheat and milk 190.8 66 7 Oream taploca pudding 189.6 66 13 Soda crackers and milk 188.6 66 7	Rice croquette with bacon	196.2	43.4	.64	
Oup of coffee (containing cream and sugar) 195.2 .64 13 A—Mince pie 194.1 .64 6 *A—Lamb stew 193.6 39.6 .65 4 *A—Broiled salt mackerel with mashed potatoes 192.2 44.1 .65 3 Cherry pie 191.5 .65 7 Pound cake 191.5 .65 7 A—Chicken cutlet and mashed potatoes 191.2 57.6 .65 4 *A—Shredded wheat and milk 190.8 .66 7 Oream tapioca pudding 189.6 .66 18 Soda crackers and milk 188.6 .66 7	Baked apple with cream	196.0	10.5	.64	
Oup of coffee (containing cream and sugar) 195.2 .64 13 A—Mince pie 194.1 .64 6 *A—Lamb stew 193.6 39.6 .65 4 *A—Broiled salt mackerel with mashed potatoes 192.2 44.1 .65 3 Cherry pie 191.5 .65 7 Pound cake 191.5 .65 7 A—Chicken cutlet and mashed potatoes 191.2 57.6 .65 4 *A—Shredded wheat and milk 190.8 .66 7 Oream tapioca pudding 189.6 .66 18 Soda crackers and milk 188.6 .66 7	* Baked beens with massrani	195.9			
A—Mince pie	Cup of coffee (containing gream	199.0	****	*04	2
A—Mince pie	and sugar)	195.2		.64	13
Potatoes 192.2 44.1 .65 3	A-Mince pie			.64	
Potatoes 192.2 44.1 .65 3	*A-Lamb stew		39.6		
Potatoes 192.2 44.1 .65 3	*A-Broiled salt mackerel with mashed				
A—Chicken cutlet and mashed potatoes 191.2 57.6 .65 4 *A—Shredded wheat and milk 190.866 7 Cream taploca pudding 189.666 18 Soda crackers and milk 188.666 7	potatoes		44.1		
A—Chicken cutlet and mashed potatoes 191.2 57.6 .65 4 *A—Shredded wheat and milk 190.866 7 Cream taploca pudding 189.666 18 Soda crackers and milk 188.666 7	Cherry pie		• • • •		
*A—Shredded wheat and milk	A Chicken cutlet and marked not		F		
Soda crackers and milk 1886 7	*A_Shredded wheet and milk				
Soda crackers and milk 1886 7	Cream taninea mudding				
Strawberry ple 188.0 66 7 Chocolate eclair 188.0 67 13	Soda crackers and milk				
Chocolate eclair	Strawberry pie				7
	Chocolate eclair				

TABLE 4.—Continued

Name of Food Nutritional Control of Cont					
Name of Food Cent. Cost Order to for for five Cent. Cost Cost Cost Cost Cent. Cent. Cost Cent. Cen			1		1
Name of Food Cent. Cost Order to for for five Cent. Cost Cost Cost Cost Cent. Cent. Cost Cent. Cen		Nutri.	Por		No of
Name of Food				0	
*A—Baked lamb pie (individual)					
*A—Baked lamb pie (individual)		Calories	in	of	to
*A—Baked lamb pie (individual)	Name of Food	for	Bread	2 500	
*A—Baked lamb pie (individual)	1141110 01 2 000				
*A—Baked lamb pie (individual)				Calories	
*A—Baked lamb pie (individual)		Cents	Butter		Cal.
A—Brolled bacon Rice cakes with maple cane syrup 185.6 A—Cold ham A—Roast beef croquettes and spaghetti 183.0 A—Boast beef croquettes and spaghetti 183.0 A—Minced ham with scrambled eggs 181.9 Pench pie 181.8 A—Minced ham with scrambled eggs 181.9 Pench pie 181.8 A—Baked mecaroni and cheese. 181.8 A—Baked mecaroni and cheese. 181.8 A—Corned beef and New York beans. 179.2 A—Corned beef and New York beans. 179.2 A—Veal pot pie with dumplings. 174.9 A—Veal pot pie with dumplings. 174.9 A—Veal pot pie with stewed tomatoes A—Tomato omelet 174.4 A—Small oyster fry A—Small oyster fry A—Hamburger steak A—Corned beef hash, browned in pan. 170.5 A—Corned beef hash, steamed 169.3 A—Corned beef hash, steamed 169.3 A—Corned beef hash, browned in pan. 170.5 A—Corned beef hash browned in pan. 170.5 A—Corned beef and Boston beans. 168.7 A—Tomored beef and Bo		0 - 11 - 12			Our.
A—Brolled bacon Rice cakes with maple cane syrup 185.6 A—Cold ham A—Roast beef croquettes and spaghetti 183.0 A—Boast beef croquettes and spaghetti 183.0 A—Minced ham with scrambled eggs 181.9 Pench pie 181.8 A—Minced ham with scrambled eggs 181.9 Pench pie 181.8 A—Baked mecaroni and cheese. 181.8 A—Baked mecaroni and cheese. 181.8 A—Corned beef and New York beans. 179.2 A—Corned beef and New York beans. 179.2 A—Veal pot pie with dumplings. 174.9 A—Veal pot pie with dumplings. 174.9 A—Veal pot pie with stewed tomatoes A—Tomato omelet 174.4 A—Small oyster fry A—Small oyster fry A—Hamburger steak A—Corned beef hash, browned in pan. 170.5 A—Corned beef hash, steamed 169.3 A—Corned beef hash, steamed 169.3 A—Corned beef hash, browned in pan. 170.5 A—Corned beef hash browned in pan. 170.5 A—Corned beef and Boston beans. 168.7 A—Tomored beef and Bo					
A—Brolled bacon Rice cakes with maple cane syrup 185.6 A—Cold ham A—Roast beef croquettes and spaghetti 183.0 A—Boast beef croquettes and spaghetti 183.0 A—Minced ham with scrambled eggs 181.9 Pench pie 181.8 A—Minced ham with scrambled eggs 181.9 Pench pie 181.8 A—Baked mecaroni and cheese. 181.8 A—Baked mecaroni and cheese. 181.8 A—Corned beef and New York beans. 179.2 A—Corned beef and New York beans. 179.2 A—Veal pot pie with dumplings. 174.9 A—Veal pot pie with dumplings. 174.9 A—Veal pot pie with stewed tomatoes A—Tomato omelet 174.4 A—Small oyster fry A—Small oyster fry A—Hamburger steak A—Corned beef hash, browned in pan. 170.5 A—Corned beef hash, steamed 169.3 A—Corned beef hash, steamed 169.3 A—Corned beef hash, browned in pan. 170.5 A—Corned beef hash browned in pan. 170.5 A—Corned beef and Boston beans. 168.7 A—Tomored beef and Bo	*A—Baked lamb pie (individual)	187.7	46.6	\$0.67	4
A—Brolled bacon Rice cakes with maple cane syrup 185.6 A—Cold ham A—Roast beef croquettes and spaghetti 183.0 A—Boast beef croquettes and spaghetti 183.0 A—Minced ham with scrambled eggs 181.9 Pench pie 181.8 A—Minced ham with scrambled eggs 181.9 Pench pie 181.8 A—Baked mecaroni and cheese. 181.8 A—Baked mecaroni and cheese. 181.8 A—Corned beef and New York beans. 179.2 A—Corned beef and New York beans. 179.2 A—Veal pot pie with dumplings. 174.9 A—Veal pot pie with dumplings. 174.9 A—Veal pot pie with stewed tomatoes A—Tomato omelet 174.4 A—Small oyster fry A—Small oyster fry A—Hamburger steak A—Corned beef hash, browned in pan. 170.5 A—Corned beef hash, steamed 169.3 A—Corned beef hash, steamed 169.3 A—Corned beef hash, browned in pan. 170.5 A—Corned beef hash browned in pan. 170.5 A—Corned beef and Boston beans. 168.7 A—Tomored beef and Bo	*A-Corned beef sandwich	186.0	79.1	.67	13
## A—Color ham 183.5 39.6 68 5 A—Roast beef croquettes and spaghetti 183.0 68 5 A—Chipped beef and scrambled egg 182.7 36.4 68 3 Peach pie 181.8 69 7 Huckleberry pie 181.8 69 7 Huckleberry pie 179.7 70 7 F—French toast with maple cane syrup 179.2 70 7 F—French toast with maple cane syrup 179.2 70 7 F—French toast with maple cane syrup 179.2 70 7 F—French toast with maple cane syrup 179.2 70 7 F—French toast with maple cane syrup 179.2 70 7 F—French toast with maple cane syrup 179.2 70 7 F—Veal pot pie with dumplings 174.9 70 5 F—Creamed codifish on toast 174.7 46.3 72 5 F—Tomato omelet 174.4 55.3 72 5 F—Tomato omelet 174.4 55.3 72 5 F—Hamburger steak 170.5 20.9 73 4 F—Corned beef hash, browned in pan 170.3 46.1 73 5 F—Corned beef hash, browned in pan 170.3 46.1 73 5 F—Corned beef hash, steamed 169.3 55.8 74 5 F—Chicken wings on toast 168.7 55.8 74 5 F—Two fried eggs 166.0 58.1 75 5 F—Two fried eggs 166.0 58.1 75 5 F—Two fried eggs 166.0 58.1 75 5 F—Thu fried eggs 166.0 58.1 75 5 F—French fried potatoes, extra order 165.6 47.2 75 5 F—French fried potatoes, extra order 160.4 78 5 F—French fried potatoes, extra order 160.4 78 5 F—French fried potatoes, extra order 160.4 78 5 F—Thur deference 166.0 168.9 35.5 79 4 F—Ham and eggs 168.0 168.3 37.7 38 F—Ham and potato salad 168.1 17.7 38 F—Ham and eggs 168.0 168.3 37.7 38 F—Corned beef hash with poached egg 189.9 35.5 79 4 F—Hamburger steak with Spanish sauce 161.2 51.4 78 5 F—Ham and eggs 168.0 168.0 37.7 38 F—Ham and eggs 1	A_Broiled becon	105.0			
A—Chipped beef and scrambled eggs 182.7 36.4 68 5	A-Dioned bacon	100.0	04.0		
A—Chipped beef and scrambled eggs 182.7 36.4 68 5	Rice cakes with maple cane syrup	185.6		.67	4
A—Chipped beef and scrambled eggs 182.7 36.4 68 5	A-Cold ham	183 5	39.6	68	5
*A—Chipped beef and scrambled egg. 181.9 A—Minced ham with scrambled eggs. 181.9 Peach pie	A Doogt hoof executation and anachotti				
A—Minced nam with scrambled eggs	A-noast beet croquettes and spagnetti				
A—Minced nam with scrambled eggs	*A—Chipped beef and scrambled egg	182.7	36.4	.68	3
## Huckleberry pie	A-Winced nam with scrampled eggs	181 9	35.5	69	2
## Huckleberry pie	Dooch min	101.0			5
## Huckleberry pie	reach pie	181.8			7
## Huckleberry pie	A—Baked macaroni and cheese	181.6	40.5	.69	7
*A—Corned beef and New York beans 179.1	Hughleherry nie	170 7			17
*A—Corned beef and New York beans 179.1	There is the set with several	110.1			
#A—Veal pot pie with dumplings	French toast with maple cane syrup	179.2		.70	
#A—Veal pot pie with dumplings	*A-Corned beef and New York beans	179.1		.70	5
*A—Veal pot pie with dumplings	Blackherry nia	1770			17
## A—Tomato omelet	Diackbelly pie	111.0	****		1
## A—Tomato omelet	A-veal pot ple with dumplings	174.9			
## A—Tomato omelet	*A-Creamed codfish on toast	174.7	46.3	.72	5
*A—Tomato omelet	A Vienne react with stored tempters	3774 77		770	
A-Small oyster fry. 174.2 36.6 72 4	A-vienna roast with stewed tomatoes	174.7		.12	
A-Small oyster fry. 174.2 36.6 72 4	*A—Tomato omelet	174.4	55.3	.72	4
## A—Ham oyster fry with bacon. 171.8 32.0 73 4 ## A—Hamburger steak 170.5 29.9 73 4 ## A—Corned beef hash, browned in pan 170.5 29.9 73 4 ## A—Corned beef hash, steamed 170.5 169.3 55.8 74 5 ## A—Chicken wings on toast 168.7 168.7 74 5 ## A—Country sausage and French fried potatoes 167.2 48.6 75 5 ## A—Two fried eggs 166.0 58.1 75 5 ## A—Ham omelet 166.5 48.6 75 5 ## A—Plain omelet 166.5 47.2 75 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Ham and eggs 159.0 78 5 ## A—Ham and eggs 159.0 78 5 ## A—Ham and potato salad 159.5 78 6 ## A—Bacon and eggs 158.9 35.5 79 4 ## A—Bacon and eggs 158.9 35.5 37.0 4 ## A—Chicken giblets on toast 158.0 158.3 3 ## A—Chicken giblets on toast 158.0 158.0 3 ## A—Chicken giblets on toast 158.0 4 ## A—Oyster sandwich 158.0 4 ## A—Circe with butter 158.0 4 ## A—Circe with butter 158.0 5 ## A—Circe wit	A-Small oyster fry	174.9		79	
## A—Ham oyster fry with bacon. 171.8 32.0 73 4 ## A—Hamburger steak 170.5 29.9 73 4 ## A—Corned beef hash, browned in pan 170.5 29.9 73 4 ## A—Corned beef hash, steamed 170.5 169.3 55.8 74 5 ## A—Chicken wings on toast 168.7 168.7 74 5 ## A—Country sausage and French fried potatoes 167.2 48.6 75 5 ## A—Two fried eggs 166.0 58.1 75 5 ## A—Ham omelet 166.5 48.6 75 5 ## A—Plain omelet 166.5 47.2 75 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Fried liver and mashed potatoes 164.8 51.7 76 5 ## A—Ham and eggs 159.0 78 5 ## A—Ham and eggs 159.0 78 5 ## A—Ham and potato salad 159.5 78 6 ## A—Bacon and eggs 158.9 35.5 79 4 ## A—Bacon and eggs 158.9 35.5 37.0 4 ## A—Chicken giblets on toast 158.0 158.3 3 ## A—Chicken giblets on toast 158.0 158.0 3 ## A—Chicken giblets on toast 158.0 4 ## A—Oyster sandwich 158.0 4 ## A—Circe with butter 158.0 4 ## A—Circe with butter 158.0 5 ## A—Circe wit	Hot wise with speem	170.0	00.0		
## A—Ham oyster fry with bacon	not rice with cream	173.3) D
*A—Hamburger steak	A—Plain oyster fry with bacon	171.8	32.0	.73	4
A—Corned beef hash, steamed	*A-Hamburger steak	170 5			
A—Corned beef hash, steamed	A Clamped book book browned to man	170.0			
Cream	A-Corned beet hash, browned in pan	170.3			
Cream	A—Corned beef hash, steamed	169.3	55.8	.74	5
*A—Chicken wings on toast	Cream	169 7			
A—Country sausage and French fried potatoes	#A Object of the second of the				
A—Country sausage and French fried potatoes	A-Unicken wings on toast	168.2	38.2	.74	4
Potatoes	A-Country sausage and French fried				i
*A—Ham omelet 165.6 35.5 75 4 *A—Plain omelet 165.6 35.5 75 4 *A—Plain omelet 165.6 47.2 75 5 *A—Pried liver and mashed potatoes 164.8 51.7 76 5 *A—Creamed chipped beef 163.7 51.7 76 5 *A—Large oyster fry 161.8 35.1 77 8 A—Pish cakes with tomato sauce 161.7 77 8 A—Fish cakes with tomato sauce 161.7 77 8 A—Fish cakes with tomato sauce 161.2 54.4 78 5 French fried potatoes, extra order 160.4 78 8 Chocolate cornstarch with whipped cream 159.6 78 16 Shredded wheat and cream 159.5 78 6 A—Chicken croquette and French fried potatoes 159.5 78 4 A—Ham and eggs 158.9 35.5 79 4 *A—Corned beef hash with poached egg 158.9 35.5 79 4 *A—Ham and eggs 158.9 35.5 79 4 *A—Ham and potato salad 158.1 17.9 4 *A—Baked shad and dressing 157.7 79 4 *A—Hamburger steak with Spanish sauce Charlotte russe 156.5 80 16 *A—Creamed eggs on toast 155.6 87.6 80 4 A—Baeon and eggs 154.9 87.6 80 4 A—Baeon and eggs 154.9 87.6 80 4 A—Baeon and eggs 155.3 29.8 81 3 Strawberry fruit jelly with whipped cream 154.7 81 4 *A—Bekwheat cakes with country sausage 154.7 81 4 A—Oyster sandwich 153.8 46.3 81 8 *A—Chicken giblets on toast 153.0 41.5 82 4 Hot rice with butter 153.0 41.5 82 4 Hot rice with butter 153.0 41.5 82 8 Pimento olive cheese sandwich 152.3 87.0 82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 83 3	notatoes	167 9		75	=
*A—Ham omelet 165.6 35.5 75 4 *A—Plain omelet 165.6 35.5 75 4 *A—Plain omelet 165.6 47.2 75 5 *A—Pried liver and mashed potatoes 164.8 51.7 76 5 *A—Creamed chipped beef 163.7 51.7 76 5 *A—Large oyster fry 161.8 35.1 77 8 A—Pish cakes with tomato sauce 161.7 77 8 A—Fish cakes with tomato sauce 161.7 77 8 A—Fish cakes with tomato sauce 161.2 54.4 78 5 French fried potatoes, extra order 160.4 78 8 Chocolate cornstarch with whipped cream 159.6 78 16 Shredded wheat and cream 159.5 78 6 A—Chicken croquette and French fried potatoes 159.5 78 4 A—Ham and eggs 158.9 35.5 79 4 *A—Corned beef hash with poached egg 158.9 35.5 79 4 *A—Ham and eggs 158.9 35.5 79 4 *A—Ham and potato salad 158.1 17.9 4 *A—Baked shad and dressing 157.7 79 4 *A—Hamburger steak with Spanish sauce Charlotte russe 156.5 80 16 *A—Creamed eggs on toast 155.6 87.6 80 4 A—Baeon and eggs 154.9 87.6 80 4 A—Baeon and eggs 154.9 87.6 80 4 A—Baeon and eggs 155.3 29.8 81 3 Strawberry fruit jelly with whipped cream 154.7 81 4 *A—Bekwheat cakes with country sausage 154.7 81 4 A—Oyster sandwich 153.8 46.3 81 8 *A—Chicken giblets on toast 153.0 41.5 82 4 Hot rice with butter 153.0 41.5 82 4 Hot rice with butter 153.0 41.5 82 8 Pimento olive cheese sandwich 152.3 87.0 82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 83 3	*A Compad back and Donton backs	101.4	****	.10	
*A—Ham omelet 165.6 35.5 75 4 *A—Plain omelet 165.6 35.5 75 4 *A—Plain omelet 165.6 47.2 75 5 *A—Pried liver and mashed potatoes 164.8 51.7 76 5 *A—Creamed chipped beef 163.7 51.7 76 5 *A—Large oyster fry 161.8 35.1 77 8 A—Pish cakes with tomato sauce 161.7 77 8 A—Fish cakes with tomato sauce 161.7 77 8 A—Fish cakes with tomato sauce 161.2 54.4 78 5 French fried potatoes, extra order 160.4 78 8 Chocolate cornstarch with whipped cream 159.6 78 16 Shredded wheat and cream 159.5 78 6 A—Chicken croquette and French fried potatoes 159.5 78 4 A—Ham and eggs 158.9 35.5 79 4 *A—Corned beef hash with poached egg 158.9 35.5 79 4 *A—Ham and eggs 158.9 35.5 79 4 *A—Ham and potato salad 158.1 17.9 4 *A—Baked shad and dressing 157.7 79 4 *A—Hamburger steak with Spanish sauce Charlotte russe 156.5 80 16 *A—Creamed eggs on toast 155.6 87.6 80 4 A—Baeon and eggs 154.9 87.6 80 4 A—Baeon and eggs 154.9 87.6 80 4 A—Baeon and eggs 155.3 29.8 81 3 Strawberry fruit jelly with whipped cream 154.7 81 4 *A—Bekwheat cakes with country sausage 154.7 81 4 A—Oyster sandwich 153.8 46.3 81 8 *A—Chicken giblets on toast 153.0 41.5 82 4 Hot rice with butter 153.0 41.5 82 4 Hot rice with butter 153.0 41.5 82 8 Pimento olive cheese sandwich 152.3 87.0 82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 83 3	*A-Corned beer and Boston beans	166.7	48.6	.75	5
*A—Ham omelet	*A—Two fried eggs	166.0	58.1	.75	5
*A—Flaid liver and mashed potatoes. 164.8 51.7 76 5 *A—Creamed chipped beef. 163.7 51.7 76 5 *A—Large oyster fry. 161.8 35.1 77 8 Apple fritters with fruit sauce. 161.7 77 8 A—Fish cakes with tomato sauce. 161.2 54.4 78 5 French fried potatoes, extra order. 160.4 78 8 Chocolate cornstarch with whipped cream 159.5 78 6 A—Chicken croquette and French fried potatoes. 159.5 78 6 A—Chicken croquette and French fried potatoes. 159.5 78 6 *A—Corned beef hash with poached egg 158.9 35.5 79 4 *A—Ham and eggs. 158.3 29.8 79 3 A—Ham and potato salad. 158.1 31.1 79 4 *A—Baked shad and cressing. 157.7 79 4 *A—Hamburger steak with Spanish sauce Oharlotte russe 156.5 80 16 *A—Creamed eggs on toast 155.6 37.6 80 4 A—Bacon and eggs. 158.8 29.8 81 3 Strawberry fruit jelly with whipped cream 154.9 81 4 A—Backwheat cakes with country sausage 154.7 81 4 A—Oyster sandwich 153.8 46.3 81 8 *A—Chicken giblets on toast 153.0 41.5 .82 4 Hot rice with butter. 152.6 82 8 Pimento olive cheese sandwich 152.3 87.0 .82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 .83 3	*A_Hem omelet			75	
A—Large oyster fry. 161.8 51.7 77 8 Apple fritters with fruit sauce. 161.7 77 8 A—Fish cakes with tomato sauce. 161.2 54.4 78 5 French fried potatoes, extra order. 160.4 78 8 Chocolate cornstarch with whipped cream 159.6 78 16 Shredded wheat and cream 159.5 78 6 A—Chicken croquette and French fried potatoes 150.3 78 5 *A—Corned beef hash with poached egg 158.9 35.5 79 4 *A—Ham and eggs. 158.3 29.8 79 3 A—Ham and potato salad. 158.1 31.1 79 4 *A—Baked shad and dressing 157.7 79 4 *A—Hamburger steak with Spanish sauce Charlotte russe 155.6 37.6 80 16 *A—Creamed eggs on toast 155.6 37.6 80 4 A—Bacon and eggs. 155.9 35.5 79 4 A—Bacon and eggs. 155.9 37.7 9 4 A—Bacon and eggs. 155.6 37.6 80 4 A—Bacon and eggs. 155.6 37.6 80 4 A—Bacokwheat cakes with country sausage 154.9 81 16 *A—Oyster sandwich 154.9 81 16 *A—Chicken gibbets on toast 153.0 41.5 82 4 Hot rice with butter 152.6 87.0 82 8 Pimento olive cheese sandwich 152.3 87.0 82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 83 3	A Train Officiet	100.0			
A—Large oyster fry. 161.8 51.7 77 8 Apple fritters with fruit sauce. 161.7 77 8 A—Fish cakes with tomato sauce. 161.2 54.4 78 5 French fried potatoes, extra order. 160.4 78 8 Chocolate cornstarch with whipped cream 159.6 78 16 Shredded wheat and cream 159.5 78 6 A—Chicken croquette and French fried potatoes 150.3 78 5 *A—Corned beef hash with poached egg 158.9 35.5 79 4 *A—Ham and eggs. 158.3 29.8 79 3 A—Ham and potato salad. 158.1 31.1 79 4 *A—Baked shad and dressing 157.7 79 4 *A—Hamburger steak with Spanish sauce Charlotte russe 155.6 37.6 80 16 *A—Creamed eggs on toast 155.6 37.6 80 4 A—Bacon and eggs. 155.9 35.5 79 4 A—Bacon and eggs. 155.9 37.7 9 4 A—Bacon and eggs. 155.6 37.6 80 4 A—Bacon and eggs. 155.6 37.6 80 4 A—Bacokwheat cakes with country sausage 154.9 81 16 *A—Oyster sandwich 154.9 81 16 *A—Chicken gibbets on toast 153.0 41.5 82 4 Hot rice with butter 152.6 87.0 82 8 Pimento olive cheese sandwich 152.3 87.0 82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 83 3	*A—Plain omelet	165.5	47.2	.75	5
A—Large oyster fry. 161.8 51.7 77 8 Apple fritters with fruit sauce. 161.7 77 8 A—Fish cakes with tomato sauce. 161.2 54.4 78 5 French fried potatoes, extra order. 160.4 78 8 Chocolate cornstarch with whipped cream 159.6 78 16 Shredded wheat and cream 159.5 78 6 A—Chicken croquette and French fried potatoes 150.3 78 5 *A—Corned beef hash with poached egg 158.9 35.5 79 4 *A—Ham and eggs. 158.3 29.8 79 3 A—Ham and potato salad. 158.1 31.1 79 4 *A—Baked shad and dressing 157.7 79 4 *A—Hamburger steak with Spanish sauce Charlotte russe 155.6 37.6 80 16 *A—Creamed eggs on toast 155.6 37.6 80 4 A—Bacon and eggs. 155.9 35.5 79 4 A—Bacon and eggs. 155.9 37.7 9 4 A—Bacon and eggs. 155.6 37.6 80 4 A—Bacon and eggs. 155.6 37.6 80 4 A—Bacokwheat cakes with country sausage 154.9 81 16 *A—Oyster sandwich 154.9 81 16 *A—Chicken gibbets on toast 153.0 41.5 82 4 Hot rice with butter 152.6 87.0 82 8 Pimento olive cheese sandwich 152.3 87.0 82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 83 3	*A—Fried liver and mashed potatoes	164.8	51.7	.76	5
A—Large oyster fry	*A_Creamed chinned heaf	169 7		70	=
## A—Fish cakes with tomato sauce. French fried potatoes, extra order. 160.4 .78 5	A T				9
## A—Fish cakes with tomato sauce. French fried potatoes, extra order. 160.4 .78 5	A-Large Oyster Iry		35.1		
## A—Fish cakes with tomato sauce. French fried potatoes, extra order. 160.4 .78 5	Apple fritters with fruit sauce	161.7		.77	8
French fried potatoes, extra order. 160.4 .78 8 Chocolate cornstarch with whipped cream 159.6 .78 16 Shredded wheat and cream 159.5 .78 6 A—Chicken croquette and French fried potatoes 159.5 .78 5 5 .78 5 .78 5 .78 5 .78 .79 4 .78 .79 .79 .79 .79 .79 .79 .79 .79 .79	A_Figh cakes with tomato sauce		54.4		
Cream	A-Fish cakes with tomato sauce	101.2	94.4		
Cream	French irled potatoes, extra order	160.4		.78	8
Cream	Chocolate cornstarch with whipped				
A—Chicken croquette and French fried potatoes	(reem	150 B		70	16
A—Chicken croquette and French fried potatoes	Clarata and a second			.10	
A—Chicken croquette and French fried potatoes	Shredded wheat and cream	159.5		.78	6
Potatoes	A-Chicken croquette and French fried				
*A—Corned beef hash with poached egg 158.9 35.5 7.9 4 *A—Ham and eggs	notatoes	150 2		79	5
*A—Ham and eggs	*A Comed hoof hock with march ?		05.5	•10	
*A—Ham and eggs	A-Corned beer hash with poached egg			.79	
*A—Hamburger steak with Spanish sauce 157.4 33.7 .79 4 Charlotte russe 156.5 .80 16 *A—Creamed eggs on toast 155.6 37.6 .80 4 A—Bacon and eggs 155.3 29.8 .81 3 Strawberry fruit jelly with whipped cream 154.9 .81 16 *A—Buckwheat cakes with country sausage 154.7 .81 4 A—Oyster sandwich 153.8 46.3 .81 4 A—Oyster sandwich 153.0 41.5 .82 4 Hot rice with butter 152.6 .82 8 Pimento olive cheese sandwich 152.3 87.0 .82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 .83 3	*A-Ham and eggs	158.3	29.8	.79	3
*A—Hamburger steak with Spanish sauce 157.4 33.7 .79 4 Charlotte russe 156.5 .80 16 *A—Creamed eggs on toast 155.6 37.6 .80 4 A—Bacon and eggs 155.3 29.8 .81 3 Strawberry fruit jelly with whipped cream 154.9 .81 16 *A—Buckwheat cakes with country sausage 154.7 .81 4 A—Oyster sandwich 153.8 46.3 .81 4 A—Oyster sandwich 153.0 41.5 .82 4 Hot rice with butter 152.6 .82 8 Pimento olive cheese sandwich 152.3 87.0 .82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 .83 3	A-Ham and notate saled				
*A—Hamburger steak with Spanish sauce 157.4 33.7 .79 4 Charlotte russe 156.5 .80 16 *A—Creamed eggs on toast 155.6 37.6 .80 4 A—Bacon and eggs 155.3 29.8 .81 3 Strawberry fruit jelly with whipped cream 154.9 .81 16 *A—Buckwheat cakes with country sausage 154.7 .81 4 A—Oyster sandwich 153.8 46.3 .81 4 A—Oyster sandwich 153.0 41.5 .82 4 Hot rice with butter 152.6 .82 8 Pimento olive cheese sandwich 152.3 87.0 .82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 .83 3	*A Delegated and describe		31.1	.10	
*A—Hamburger steak with Spanish sauce 157.4 33.7 .79 4 Charlotte russe 156.5 .80 16 *A—Creamed eggs on toast 155.6 37.6 .80 4 A—Bacon and eggs 155.3 29.8 .81 3 Strawberry fruit jelly with whipped cream 154.9 .81 16 *A—Buckwheat cakes with country sausage 154.7 .81 4 A—Oyster sandwich 153.8 46.3 .81 4 A—Oyster sandwich 153.0 41.5 .82 4 Hot rice with butter 152.6 .82 8 Pimento olive cheese sandwich 152.3 87.0 .82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 .83 3	A-Daked shad and dressing			.79	
Charlotte russe	*A—Hamburger steak with Spanish sauce	157.4	33.7	.79	4
A—Bacon and eggs. 155.3 29.8 81 3 Strawberry fruit jelly with whipped cream 154.9 81 16 *A—Buckwheat cakes with country sausage 154.7 81 4 A—Oyster sandwich 153.8 46.3 81 8 *A—Chicken giblets on toast 153.0 41.5 82 4 Hot rice with butter 152.6 8.2 8 Pimento olive cheese sandwich 152.3 87.0 82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 83 3 *A—Corned beef hash, browned, with	Charlotte russe				
A—Bacon and eggs. 155.3 29.8 81 3 Strawberry fruit jelly with whipped cream 154.9 81 16 *A—Buckwheat cakes with country sausage 154.7 81 4 A—Oyster sandwich 153.8 46.3 81 8 *A—Chicken giblets on toast 153.0 41.5 82 4 Hot rice with butter 152.6 8.2 8 Pimento olive cheese sandwich 152.3 87.0 82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 83 3 *A—Corned beef hash, browned, with	*A Charmed came and the text		0/2 0		
A—Bacon and eggs. 155.3 29.8 81 3 Strawberry fruit jelly with whipped cream 154.9 81 16 *A—Buckwheat cakes with country sausage 154.7 81 4 A—Oyster sandwich 153.8 46.3 81 8 *A—Chicken giblets on toast 153.0 41.5 82 4 Hot rice with butter 152.6 8.2 8 Pimento olive cheese sandwich 152.3 87.0 82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 83 3 *A—Corned beef hash, browned, with	A-Creamed eggs on toast	155.6			
*A—Clicken giblets on toast. 153.0 41.5 .82 4 Hot rice with butter. 152.682 8 Pimento olive cheese sandwich. 152.3 87.0 .82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 .83 3	A—Bacon and eggs	155.3	29.8	.81	3
*A—Clicken giblets on toast. 153.0 41.5 .82 4 Hot rice with butter. 152.682 8 Pimento olive cheese sandwich. 152.3 87.0 .82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 .83 3	Strawborry fruit jolly with whinned				
*A—Clicken giblets on toast. 153.0 41.5 .82 4 Hot rice with butter. 152.682 8 Pimento olive cheese sandwich. 152.3 87.0 .82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 .83 3	betamberry fruit Jeny with whipped	7510		04	
*A—Clicken giblets on toast. 153.0 41.5 .82 4 Hot rice with butter. 152.682 8 Pimento olive cheese sandwich. 152.3 87.0 .82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 .83 3	cream	154.9		*81	16
*A—Clicken giblets on toast. 153.0 41.5 .82 4 Hot rice with butter. 152.682 8 Pimento olive cheese sandwich. 152.3 87.0 .82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 .83 3	*A-Buckwheat cakes with country				
A—Oyster sandwich	99179900	154 7		21	4
*A—Chicken giblets on toast. 153.0 41.5 .82 4 Hot rice with butter. 152.682 8 Pimento olive cheese sandwich. 152.3 87.0 .82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 .83 3 *A—Corned beef hash, browned, with	A Oceania and dela		40.0		
*A—Chicken giblets on toast. 153.0 41.5 .82 4 Hot rice with butter. 152.682 8 Pimento olive cheese sandwich. 152.3 87.0 .82 16 *A—Liver and bacon with lyonnaise potatoes 151.0 29.7 .83 3 *A—Corned beef hash, browned, with	A-Oyster sandwich				8
Hot rice with butter. 152.6	*A-Chicken giblets on toast	153.0	47.5	.82	4
*A—Liver and bacon with lyonnaise potatoes	Hot rice with butter	150.0	11.0	00	
*A—Liver and bacon with lyonnaise potatoes	Hot rice with butter	152.6			
*A—Liver and bacon with lyonnaise potatoes	Pimento olive cheese sandwich	152.3	87.0	.82	16
tatoes	*A-Liver and becon with Ivonneige no		-		
*A—Corned beef hash, browned, with two poached eggs. 150.1 37.7 .83 3	A Liver and Dacon with Lyomaise po-	454 0	00 =		-
*A—Corned beef hash, browned, with two poached eggs	tatoes	151.0	29.7	.83	3
two poached eggs	*A-Corned beef bash, browned with				
имо ролошен связ 100.1 01.1 .00 3	two possibled ages	150 1	27 7	63	2
	the beather eggs	150.1	01.1	.00	0
		1			1

TABLE 4.—Continued

	Nutri-	Per		No. of
			Clock	
	tional	Cent.	Cost	Orders
27 4 79 2	Calories	in	of	to
Name of Food	for	Bread	2,500	Make
	Five	and	Calories	
	Cents	Butter		Cal.
Buttered toast	149.7		90.00	0
*A-Liver and bacon		00.4	\$0.83	8
	149.4	36.4	.84	3
*A-Chicken hash	146.9	46.3	.85	6
A-Two scrambled eggs	146.3	52.6	.85	6
*A-Milk	145.3		.86	9
Apple sauce with whipped cream	144.2		.87	17
Hot rice with poached egg	143.3	49.8	.87	6
*A-Corned beef with potato salad	143.1	53.1	.87	6
Fish cakes with poached egg	141.8	53.2	.88	4
*A-Cold roast beef	140.1	63.4	.89	6
A—Hot rice with milk	139.6	00.1	.90	9
*A Crack stock	138.0	00.0		
*A-Small steak	138.0	28.3	.91	3
Baked appleBaked apple with ice cream	136.8		.91	18
Baked apple with ice cream	136.0		.92	9
A-Two lamb chops			.92	3
A-Chicken salad sandwich	134.7		.93	9
*A-Corned beef hash, steamed, with poached egg				
poached egg	133.8	44.3	.93	5
* -Boston beans on side	133.7	1110	.94	19
Tomato sandwich	133.6	96.5	.94	19
A Tamb shops broaded with mached	100.0	30.0	.54	18
A-Lamb chops, breaded, with mashed potatoes	100 8	40.0	0.4	-
potatoes	132.7	48.6	.94	5
*A-Maple flakes with milk	132.6		.94	9
*A-Corned beef	132.4	45.8	.94	6
*A-Bulgarzoon	132.1		.95	19
A-Spanish omelet with French fried				
potatoes	132.1	39.8	.95	4
Baked apple custard with whipped				_
cream	131.5		.95	10
Boiled rice, side order	130.8	• • • • •	.96	19
*A-Fried egg sandwich	129.6	64.7	.96	10
*A Onion omelat	129.1	27.0	.97	5
A-Onion omelet *A-Baked weak fish with dressing				
*A Ciplain stock	128.9	45.0	.97	5
*A—Sirloin steak Fresh cooked oatmeal with cream	128.1	20.1	.98	2
Fresh cooked oatmeal with cream	127.7		.98	6
*A-Fish cakes with macaroni	126.9		.99	5
Sliced bananas with cream	126.2		.99	10
* -Macaroni, side order	125.8		.99	20
*A-Roast sirloin of beef and mashed				
potatoes	124.9	44.8	1.00_	5
A-Tomato omelet with potatoes	121.9	42.9	1.03	4
*A-Two boiled eggs	121.6		1.03	7
*A-Fish cakes with spaghetti	120.6	54.0	1.04	5
*A-Macaroni omelet and tomato sauce	119.1	38.5	1.05	4
*A—Small steak with onions	118.3	25.8	1.06	3
*A Figh coke gondwich		20.0		
*A-Fish cake sandwich	117.8	****	1.06	11
*A-Egg salad	116.0	54.9	1.08	5
*A-Parsley omelet	115.2	53.1	1.09	5
Green split pea soup	114.1	59.4	1.10	11
Vanilla ice cream	113.8		1.10	11
*A-Tenderloin steak with onions	113.3	24.5	1.10	2
*A-Cornflakes and milk	111.1		1.12	11
Strawberry tart	111.0		1.13	11
*A—Cornflakes and milk. Strawberry tart *A—Tuna fish salad	110.9	43.0	1.13	5
*A-Sirloin steak with onions	110.0	20.1	1.14	2
Pineapple fruit jelly with whipped	110.0	20.1	1.17	4
cream	100.0		7.74	00
*A Cup oughand	109.8		1.14	23
*A-Cup custard	109.5	10.0	1.14	11
*A-Roast beef with potato salad	107.4	43.9	1.16	5
*A—Tenderloin steak	106.3	19.8	1.18	2
A—Milk toast	105.6		1.18	8
Strawberry cornstarch with whipped				
cream	102.2		1.22	24

TABLE 4 .- Continued

	,			
Name of Food	Nutritional Calories for Five Cents	Per Cent. in Bread and Butter	Cost of 2,500 Calories	No. of Orders to Make 2,500 Cal.
Strawberry ice cream. *A—Clam chowder *—Chicken soup *A—Crab meat salad Vegetable soup Stewed rhubarb *A—Craemed chicken on toast. Strawberries with cream. Strawberries with cream. *A—Chicken omelet *A—Deviled crab Sliced bananas *A—Spaghetti and cheese. *A—Fried ham A—Mineed chicken sandwich with lettuce *Bean soup with croutons. *A—Hot roast beef sandwich. *A—Sliced chicken sandwich. *A—Club sandwich. *A—Club sandwich. *A—Cream of wheat. Blackberries with ice cream. *Creamed asparagus on toast. Watermelon *—Tomato soup with rice. Sliced pincapple Grape fruit *A—Raw oysters Sliced tomatoes with lettuce. *—Sliced tomatoes with lettuce.	102.1 100.6 100.4 98.5 98.9 92.9 91.9 91.8 90.8 90.7 86.8 86.8 86.3 84.4 81.5 81.5 85.6 65.0 65.0 65.0 65.0 65.0 65.0 65.0 6	49.5 68.1 79.6 37.5 32.1 64.1	\$1,22 1,24 1,24 1,26 1,27 1,33 1,35 1,38 1,38 1,38 1,42 1,44 1,45 1,53 1,54 1,60 1,91 1,92 1,98 2,21 2,38 2,54 3,54 4,85 6,75 3,53 4,85 6,75 3,53 4,85 6,75 3,53 4,85 6,75 3,53 4,85 6,75 3,53 4,85 6,75 3,53 4,85 6,75 3,53 4,85 6,75 3,75 3,75 3,75 3,75 3,75 3,75 3,75 3	12 6 8 6 13 27 7 9 9 6 7 7 28 14 6 15 10 16 10 13 20 22 48 13 20 34 47 7
Cantaloupe Champagnet	12.1 8.6		10.33 14.53	69 7

[†] Not purchased in the restaurant.

It appears that fourteen different orders yield enough food fuel for one day at a cost of less than 40 cents, or less than \$145 per annum. Of these the roast beef sandwich made as a roll is conspicuous for cheapness.

Thirty-three different portions may yield the total energy requirement of 2,500 calories at a cost of less than 50 cents per day.

Suppose a restaurant be established with these thirty-three varieties only, and the consumer arranged his dietary so that he paid an average price of 40 cents for 2,500 calories, it would cost him \$145 per annum

for his food. If it be a fair division of one's income to expend one-fourth for rent, one-fourth for clothes, one-fourth for food and one-fourth for extras, then a single man may live at a Childs restaurant when his income is \$50 a month, of which he spends \$12.50 for food if he restricts himself to those thirty-three varieties. As a married man he would require \$100 a month to maintain himself and his wife under similar circumstances.

Passing to food of a higher cost, it appears that thirty-two portions yield 2,500 calories at a cost of between 51 and 60 cents and here portions containing meat predominate.

There are forty-two varieties of foods which yield 2,500 calories between 61 and 70 cents and thirty-three which cost between 71 and 80 cents. At this latter level of cost orders for eggs such as fried eggs and creamed eggs on toast begin to appear.

Twenty varieties yield 2,500 calories at a cost of between 81 and 90 cents and twenty-four varieties cost between 91 cents and \$1.00. The sirloin steak appears at the level of 91 cents.

This gives a choice of 184 dishes which yield 2,500 calories at a maximum daily cost of \$1.00.

There are fifty-five varieties of food which cost more than \$1.00 per 2,500 calories. The cost rises rapidly. Seven orders of two boiled eggs (with buttered toast) costing \$1.03 for 2,500 calories stand out in their extravagance, but this is outdone by nine orders of two poached eggs on toast costing \$1.91 for the day's requirement. The portion of spaghetti with cheese is certainly overpriced, and were the service to an Italian clientele would not be so costly.

The greatest wonder appears in the cost of the tomato portions. Tomatoes with lettuce and dressing cost over \$9.00 for 2,500 calories, nearly as much as cantaloupe at \$10.00, while champagne (bought out-

side the restaurant at \$4.00 a quart) costs \$14.00 for 2,500 calories.

The mystery of tomatoes is baffling. A can of tomatoes is little else than flavored water. The popularity of the tomato probably depends on its flavor and its color. A painter wishing to sell a landscape puts a figure with a red cloak in the center. It is an ancient device. In like manner, a restaurant puts a few lettuce leaves on a plate with a red tomato in the middle, covers it with a little dressing and gets a large price. It is the work of an artist for a connoisseur.

To indicate the practical value to which this work may be put, the following selected menus have been arranged. They give the cost and caloric content of inexpensive dishes which may be ordered at the restaurant and which provide for three meals a day during a week for a man of average weight. Only the morning cup of coffee occurs more than once.

TABLE 5.—SELECTED MENUS

	Cost, Cents	Cal- ories
MONDAY		
Breakfast: Coffee (with milk and sugar) Hot corn muffins	5 5	195 453
*A-Roast beef sandwich and roll Crullers	5 5	357 444
Dinner: *A—Vienna roast, fried potatoes, bread and butter Cocoanut pie	15 5	834 37 2
Total	40	2,655
TUESDAY		
Breakfast: Coffee (with milk and sugar) *A—Chipped beef and scrambled eggs	5 20	195 728
*A-Roast beef cutlet, tomato sauce, fried pota- toes, bread and butter	15	738
Dinner: A—Lamb croquettes and mashed potatoes, bread and butter	15 5	874 177
Apple pie	60	2.712

TABLE 5 .- Continued

T.	Cost, Cents	Cal- ories
WEDNESDAY		
Breakfast: Coffee (with milk and sugar) Boston pork and beans, bread and butter Butter cakes	5 10 5	195 480 278
Lunch: *A—German meat cakes with lyonnaise potatoes, bread and butter	15	738
Dinner: A—Roast beef hash, browned, bread and butter Pumpkin pie	15 5	666 296
Total	55	2,453
THURSDAY		
Breakfast: Coffee (with milk and sugar)	5 - 5 5	195 357 257
A—Vienna roast, spaghetti, potatoes, bread and butter A—Swiss cheese sandwich Dinner:	15 5	708 244
A—Roast beef croquettes, macaroni, mashed pota- toes and bread and butter Cold rice pudding	15 5	624 263
Total	55	2,648
FRIDAY		
Breakfast: Coffee (with milk and sugar)A—Broiled ham with bread and potatoesLunch:	5 20	195 892
A—Beef cakes, brown gravy and macaroni Dinner:	15	774
A—Ham croquettes with mashed potatoes Napoleon	10 5	526 453
Total	55	2,840
SATURDAY		
Breakfast: Coffee (with milk and sugar) Corn meal cakes and maple syrup	5 10	195 550
Lunch: A—Roast beef hash (browned), bread and butter Cup of cocoa	15 5	666 247
Dinner: *A-Roast beef cutlet and mashed potatoes, bread and butter Bread custard pudding.	15 5	617 355
Total	55	2,630

TABLE 5 .- Continued

	Cost, Cents	Cal- ories
SUNDAY		
Breakfast: Coffee (with milk and sugar)	5	195
*A—Creamed chipped beef on toast, rolls and butter	15	747
Dinner: *A—Breaded veal cutlet, tomato sauce, potatoes,		
bread and butter	20	847
Mince pie	10	388
upper:		
Oyster pie	15	660
Cabinet pudding and vanilla sauce	5	399
otal	70	3,236

SUMMARY	Cost in Cents	Cal- ories
Monday. Tuesday. Tuesday. Thursday Thursday Friday. Saturday. Sunday.	60 55 55 55 55	2,655 2,712 2,453 2,648 2,840 2,630 3,236
Per week Per diem Per month	\$ 3.90 0.56 16.80	19,174 2,789

Individual income appropriate to this expenditure is \$67.20 per month.

At Bellevue Hospital, New York, in 1912, the cost of food from the market, that is, of uncooked food, was 25 cents daily for 3,200 calories for each person in the establishment; at the Muncipal Lodging House during 1911 the cost was 13 cents daily for 2,700 calories per person.

When one considers that Childs restaurant pays for service and for expensive ground floor rental in the busiest parts of New York City, surely food at the cost outlined above is not expensive. But this menu is laboratory made, calculated from the scientific standpoint and from the standpoint of food economics. The restaurant in question could easily give this information on its menu card. It would have immense educational influence were it to do so.

In a few selected portions Mr. Gephart has estimated the retail market value of materials entering into the portions sold and these are revealed in Table 6.

It is evident that the actual cost of these standard portions is about half to one-third their cost in the restaurant. The housewife who knows how to buy the essential ingredients, and especially how to cook them, is an economic factor of prime importance in the home. Of such stuff is the science of food economics.

TABLE 6.—COST TABLE

Ham and Eggs, 25 Cents	Cents	Plain Omelet, 15 Oents	Cents
2 Eggs	6.66 4.40 0.45	2 Eggs	6.66 0.45 0.89
10 gm. Butter	0.89 0.04	500 calories	8.00
		Tenderloin Steak, 55 Cents	Cents
800 calories Bacon and Eggs, 25 Cents	12.44 Cents	9½ oz. Steak	17.30 0.45 0.89 0.04
2 Eggs	6.66	1,300 calories	18.68
2 Eggs	8.72 0.45 0.89 0.04	Ham Sandwich, 5 Cents ½ oz. Ham	Oents 0.70 0.30 0.89
800 calories	11.76	200 calories	1.89

Mr. Gephart's work is the first extended investigation of its kind. It would be wise if the public could be better informed regarding the caloric value of foods which it purchases. It would be of vast significance if the barrel of flour, the can of lard, the pot of beans or the package of breakfast food could be labeled with the caloric content of the particular unit of sale.

The question would not then be asked, would Professor X eat his own diet? But the individual could then ask himself, am I sufficiently well-to-do to be careless of what I spend for food? And, can I spend less with equal profit and as great satisfaction?



THE COST OF READY-TO-SERVE FOODS IN NEW YORK CITY, BASED ON THEIR ENERGY CONTENT PER UNIT OF PRICE

F. C. GEPHART

Chemist of The Russell Sage Institute of Pathology, in Affiliation with the Second Medical Division of Bellevue Hospital

II. DESCRIPTION OF METHODS

At the suggestion of Dr. E. F. Du Bois and with the earnest cooperation of Professor Lusk, an investigation of the food value of the different portions or "orders" of food served in the Childs restaurants or stores in New York City was undertaken during the spring and summer of 1913, for the purpose of determining the actual energy value of the different orders, that they might all be reduced to a common unit for comparison of their relative cost from the nutritional standpoint. The above named chain of stores was chosen because it was thought that they were probably the most representative of their kind in the city and because they undoubtedly serve a great mass of people. In this manner it was hoped to obtain valuable data concerning the composition and energy content of the various kinds of food that are actually chosen by the people for consumption.

Especial acknowledgment is due Mr. Rudolph H. Harries, whose painstaking accuracy has been of valuable service in the accomplishment of the work.

Atwater and Bryant afforded the first real stimulus to a clear understanding of the composition and nutritive values of American foods when they compiled the reliable data that had been previously published in this country, together with data collected by themselves after numerous analyses, and published it entire in the form of a government bulletin entitled "The Chemical Composition of American Food Materials."

Prior to the appearance of this work and the numerous other works incorporated therein, almost all of our information came from abroad, and it is obvious that its application must necessarily have been limited when applied to American materials. The tables of Atwater and Bryant contained almost all the information one could ask regarding the composition of foods purchased on the open market, both cooked and oftentimes uncooked, the percentages of moisture, protein, fat, carbohydrate and ash being included, and, lastly, but of great importance, the calorific values per pound of material.

From a persual of these tables, however, one cannot learn the quantities of the various articles that are ordinarily considered a portion, nor can one learn the cost of the same nor the auxiliaries that are usually served in what would constitute an order. When the composition of a foodstuff is compared before and after cooking quite a few changes may be noted, not only those brought about by the process of cooking, such as the coagulation of protein, the solution of several ingredients in water, either wholly or in part, or the partial loss due to the decomposition of fat, but also the changes in the food value due to the addition of auxiliary materials, such as fat, flour, sugar, etc., to say nothing of salt, pepper, and various spices and flavors, thereby presenting a much different composition when ready for consumption than when purchased or prepared for cooking.

With a hope of determining the actual values for foods prepared for immediate consumption, this investigation was undertaken.

In the City of New York there are forty-six (46) Childs restaurants all dispensing foods prepared at

the commissary department in a systematic way, the only essential divergence being in a few orders that are prepared in the individual restaurants. Bills of fare are not identical in the several restaurants, some present a greater variety than others, but as a whole they may be considered as emanating from one large restaurant. When these points were clearly established, a plan of collecting samples was finally decided upon. It was found that it was possible to secure bills of fare in advance, in some cases many days in advance, so that we were able to compare the articles served at the different places and formulate a list of foods to be secured to complete as far as possible a collection of all orders served. It is a common practice in these restaurants to serve orders to be taken out, the only requisite being that a deposit of five or ten cents be paid on each dish and refunded at the time the dishes are returned to the restaurant. This was the plan followed, and as far as we know, all samples were collected without the knowledge of the management. Every restaurant at that time in the city was visited, at least one order secured, often more than one, and after the whole field had been covered, our efforts were concentrated on those restaurants that we considered the most representative of the company, and in these few places many duplications of the more popular orders were procured. Several orders, usually those which could be most easily transported, were secured from seventeen (17) restaurants outside of the city, but as these samples showed no material differences from those purchased in New York City, it was decided to enter them in one general table.

In all, approximately three hundred and fifty (350) orders were collected and analyzed. These do not represent the entire offering of the restaurants, but practically everything. In quite a few instances we noticed an article that we were unable at a later date

to secure. We were careful not to purchase an article until the season for such was well established, attempting in this way to secure such things at their usual dispensing prices, and not at the price that they command on their first appearance. Unusual courtesy was shown in practically all the restaurants visited, in several instances care was even taken to furnish us with salt and pepper in separate packets.

When the samples were received at the laboratory, serial numbers were assigned, the several ingredients were weighed individually (when possible), the entire order transferred to a glass or porcelain container, dried either in a vacuum desiccator over sulphuric acid, or, in the case of orders containing much water, on the steam bath, allowed to remain in contact with the air for several hours, weighed, passed through a food chopper several times until they were uniform, and when low in fat finally meshed and bottled for analysis. The analysis consisted in the determination of moisture, which was done by weighing two or three grams of the material into a small lead bottle cap, such as is used in the trade for crimping the heads of catsup bottles and the like, placing the cap and contents in a vacuum desiccator over sulphuric acid where, with frequent agitation, it was allowed to remain for two weeks, after which it was removed, reweighed, folded, placed in an extraction cone and extracted with anhydrous ether in a Soxlet extractor for two days, the ether removed, and the residue weighed as fat in the usual way. The protein was determined by the well-known method of Kieldahl: the heat combustion in the Riche bomb calorimeter (Journal American Chemical Society, xxxv, No. 11, 1913).

Inasmuch as the first practical application of this apparatus was made in this work, and also because the apparatus differs somewhat from all other bomb calorimeters, it does not seem out of place to give

a very brief description of it here. In calorimetric work the amount of heat liberated by a given weight of substance burned in an excess of oxygen, is measured. In this particular type of apparatus this measurement is effected with the aid of a vacuum cup through which there has been found to be no measurable radiation of heat. The weighed sample is placed in the bomb, the bomb charged with oxygen at about thirty atmospheres pressure, immersed in the weighed water and when the temperature of the system has become constant the sample is fired. ignition is brought about by overloading a four ampere fuse wire by the use of a small platinum wire attached to the supports immediately above the sample within the bomb. Two small linen threads attached to the platinum wire affords contact with the sample and assures its ignition. It is obvious that the use of this method insures constancy in the heat of ignition. The maximum thermometer reading is recorded in about five minutes after ignition. The calculation is indeed simple, the rise in temperature in degrees multiplied by the hydrothermal equivalent of the apparatus, minus the heat of ignition and that liberated by the nitric acid formed during the combustion, gives the calories of heat liberated in the combustion of the sample taken. Four combustions were regularly completed in an hour's time, requiring the services of only one person and necessitating the reading of a single thermometer. This apparatus is extremely accurate.

Carbohydrate was estimated by difference in heat as measured in the bomb and that calculated from the sum of the heat of combustion of the protein and fat as found by analysis, using the factor of Stohman for the calculation of the mean heat of combustion of protein in the bomb as being 5.71 calories per gram and that of fat as 9.3 calories per gram. This means of estimating carbohydrate has never before been employed, as far as we are aware, and we feel that

it is especially valuable in the analysis of materials containing large amounts of fat and protein, both of which must be removed before attempting the determination of starch by the usual methods. This procedure gives total carbohydrates, fiber being included, but in almost all of our samples the amount of fiber was negligible, with the possible exception of fruits and vegetables, which were few in number.

Preservatives and adulterations were tested for in all samples of milk and cream, with negative results.

III. KEY TO TABLE 7

Column 1.—Shows the name of the order or kinds of food which we have classified alphabetically for convenience. (In all cases in which duplications of orders were made, the number of orders from which the mean values were calculated is indicated, as well as the percentage variations of the several ingredients, both above and below the mean, and the percentage variations above and below the mean for the several calculated and determined factors are also shown in the respective columns to which they refer.)

Column 2.—The constituent parts of the order, as far as it was possible to separate them. (Bread was usually spread with butter.)

Column 3.—The weights in grams of the constituents as they were received in the laboratory.

Column 4.—The cost of the order.

Column 5.—The gross heat of combustion of the order in large calories as measured in the bomb.

Column 6.—The heat of combustion in large calories that the protein fraction of the order furnishes in the bomb.

Column 7.—The heat of combustion in large calories that the protein fraction of the order produces in the body, the so-called protein nutritional calories.

Column 8.—The heat of combustion in large calories that the fat fraction of the order furnishes in the bomb as well as

that produced in the body.

Column 9.—The heat of combustion in large calories that the carbohydrate fraction of the order furnishes in the bomb as well as that produced in the body, with the possible exceptions previously noted.

Column 10.—The gross heat of combustion of the order in large calories as measured by the bomb for that fractional

part of the order purchasable for 5 cents, or $\frac{5}{4}$ x .05.

Column 11.—The total nutritional calories contained in that fractional part of the order purchasable for 5 cents or $\frac{7+8+9}{4} \times .05$ or $\frac{5-(6-7)}{4} \times .05$.

Column 12.—The percentage of the total nutritional calories of the order furnished by the so-called protein nutritional

calories or
$$\frac{7}{5 - (6-7)} \times 100$$
.

Column 13.—The percentage of the total nutritional calories of the order furnished by the fat fraction either in the bomb

or body, or
$$\frac{8}{5-(6-7)} \times 100$$
.

Column 14.—The percentage of the total nutritional calories of the order furnished by the carbohydrate fraction either in the bomb or body (except as previously noted), or

$$\frac{9}{5-(6-7)}$$
 x 100.

Column 15.—The percentage of the total nutritional calories of the order furnished by the bread and butter contained therein. This factor is only an approximation, because of the fact that it is based on the assumption that in all orders containing bread and butter, the bread and butter bore the same ratio to each other as was the case in the sample analyzed to establish this factor, which is probably not true in all cases. As previously stated, the bread in nearly every case was spread with butter, the quantity of the latter appearing to be the same throughout.

Column 16.—Classification of the orders.

We have classified these orders into eleven classes in order that we might be able to strike a mean for each class, namely, meats (steaks, chops, ham and eggs, hash, etc.), pastry and dessert, eggs, sandwiches, fruits, soups, dairy dishes, beans, oysters, salads and miscellaneous.

In making this classification we have classed several orders in two different classes, as, corned beef and beans is classed both as meat and beans, etc., because of the fact that the classification is arbitrary and does not signify that the order consisted wholly of meat or beans, but in a few instances this is actually the case.

No.	Name of Food	Constituents		Cost,	Calc ii San	
		Food	Gm.	lars	Total Bomb	Pro- tein Bomb
1 2 3 4 5	Apple, baked (with cream). Apple, baked (with ice cream). Apple fritters with fruit sauce Apple sauce with whipped cream	Total sample Total sample Total sample Total sample Total sample	114.9 228.8 206.3 155.9 154.7	\$0.05 .10 .10 .10	137.2 393.7 275.5 330.8 145.3	1.4 5.8 12.5 26.3 3.8
7	Asparagus, creamed on toast Bacon, broiled	Toast Asparagus Bacon Potatoes	35.2 210.6 40.7 70.2	.20	209.6	45.3 70.2
8	Bacon and eggs	Bread plus butter Bacon Eggs	74.2 32.7 74.8	.25	818.1	148.1
9	Bacon, fried, with French fried potatoes	Potatoes Bread plus butter. Bacon Potatoes Rolls Butter	68.5 67.6 44.3 51.8 84.9 11.4	.20	858.9	94.1
10	Bananas, sliced	Total sample (edi- ble)	104.2	.05	91.5	5.6
11	Bananas, sliced with cream	Bananas (edible) Cream	123.9 61.5	.10	256.6	15.2
12	Beans, baked with macaroni	Beans	140.8 119.2	.15	623.1	126.9
13	Beans, Boston baked (average 6 orders)	Per cent. variation from average	207.2 +12.3% -15.6%	.10	509.4 +26.7% -22.6%	$102.1 \\ +15.6\% \\ -13.6\%$
14 15	Beans, Boston (on the side) Beans, New York baked (average 7 orders)	Bread and butter (average) Per cent. variation from average Total sample Beans (average) Per cent. variation from average Bread and butter (average) Per cent. variation	48.0 +14.4% - 9.0% 77.0 191.2 +33.2% -28.7% 47.7 +10.0%	.05	143.2 489.8 +30.4% -26.0%	33.5 108.1 +15.6% -24.2%
16 17	Beans, New York (on the side) Beans, New York baked, with tomato sauce	from average Total sample Beans and sauce Bread and butter	11.0% 130.9 197.8 40.9	.05 .10	240.0 430.5	59.1 97.5
18	Beef cakes with brown gravy and macaroni	Cakes, macaroni	339,5	.15	709.7	125.2
19	Beef, chipped and scrambled eggs	and gravy Bread and butter Beef and eggs Potatoes	69.2 135.4 61.4	.20	779.3	172.2
20	Beef, corned	Bread and butter Beef	77.8 68.3	.15	436.2	138.2
21	Beef, corned, and Boston beans	Bread and butter Beef Beans	53.2 40.6 102.6	.15	538.4	135.4
22	Beef, corned, and New York beans	Bread and butter Beef Beans	71.1 96.8 ? 156.3	.15	577.6	142.6
23	Beef, corned, hash with poached egg	Bread and butter Beef hash Egg	98.6 ? 134.8 42.3	.20	680.0	157.3
24	Beef, corned, hash browned in pan	Bread and butter Hash Bread and butter	65.9 123.9 68.9	.15	538.3	97.5
25	Beef, corned, hash browned with two poached eggs	Bread and butter	157.1 82.6 63.1	.25	795.5	158.7
26	Beef, corned, hash (steamed)	Hash Bread and butter	149.4 82.8	.15	533.8	91.5

	Calories i Sample			ies for ents	Dis	stribution Heat	of	Nutri- tional Cal- ories	Classification	No.
Protein Nutri- tional	Fat	Carbo- hydrate	Total Bomb	Total Nntri- tional	Pro- tein	Fat	Carbo- hydrate	from Bread and Butter		
1.0 4.1 9.0 18.9 2.7 32.5	1.2 11.0 50.3 129.4 31.7 54.5	134.6 376.9 212.7 175.1 109.8 109.8	137.2 196.9 137.8 165.4 145.3 52.4	136.8 196.0 136.0 161.7 144.2 49.2	% 0.7 1.0 3.3 5.8 1.9 16.5	% 0.9 2.8 18.5 40.0 21.9 27.7	% 98.4 96.2 78.2 54.2 76.2 55.8	%	Fruit Fruit Miscellaneous Fruit Miscellaneous	3 4 5
50.4	439.9	250.7	190.2	185.3	6.8	59.4	33.8	34.3	Meats	7
106.3	415.1	254.9	163.6	155.3	13.7	53.5	32.8	29.8	Meats	8
67.6	516.4	248.4	214.7	208.1	8.1	62.1	29.8	••••	Meats	9
4.0 10.9	000.0 133.2	85.9 108.2	91.5 128.3	89.9 126.2	4.4 4.3	52.8	95.6 42.9	••••	Fruit	10 11
91.1	104.4	391.8	207.7	195.8	17.7	66.8	15.5	••••	Beans	12
73.3	141.5 +83.5% —61.3%	265.8 +21.0% -22.8%	254.7 +26.7% —22.6%	240.3 +28.0% -23.5%	15.5 +17.4 -22.5	28.2 +49.6 -47.2	56.3 +19.7 —19.8	34.2	Beans	13
24.0 77.7	29.8 112.1 +79.6% —38.8%	79.9 269.6 +18.8% -23.9%	143.2 244.9 +30.4% —26.0%	133.7 229.7 +31.8% —26.0%	18.0 17.1 +10.6 —18.6	22.3 23.5 +43.0 -31.9	59.7 59.4 +10.4 -14.6	35.5	BeansBeans	14 15
42.5 70.0	70.7 75.6	110.2 257.4	240.0 215.3	223.4 201.5	19.0 17.4	31.7 18.7	49.3 63.9	34.8	BeansBeans	16 17
89.9	225.0	359.5	236.6	224.8	13.3	33.4	53.3	35.1	Meats	18
123.7	354.9	252.2	194.8	182.7	16.9	48.6	34.5	36.4	Eggs or meats	19
99.2	182.0	116.0	145.4	132.4	25.0	45.8	29,2	45.8	Meats	20
97.2	149.3	253.7	179.5	166.7	19.4	29.9	50.7	48.6	Beans or meats	21
102.4	144.3	290.7	192.5	179.1	19.1	26.8	54.1	••••	Beans or meats	22
113.0	312.6	210.1	170.0	158.9	17.8	49.1	33.1	35.5	Meats	23
70.0	207.6	233.2	179.4	170.3	13.7	40.6	45.7	46.1	Meats	24
113.9	377.5	259.3	159.1	150.1	15.2	50.3	34.5	37.7	Meats	25
65.7	185.2	257.1	177.9	169.3	12.9	36.5	50.6	55.8	Meats	26

		Constituents		Cost,	Calc ir San	1
No.	Name of Food			Dol-	~~~	
).	Food	Gm.	lars	Total Bomb	Pro- tein Bomb
27	Beef, corned, hash (steamed) with poached egg	Hash and egg	148.5	\$0.20	575.1	141.6
28	Beef, corned, with potato salad	Beef	29.9 114.6	.15	456.3	95.5
29	Beef, creamed chipped	Bread and butter.	66.5 210.2 73.7	.15	536.3	160.1
30	Beel, creamed chipped, on toast	Sauce	94.3	.15	795.6	170.3
31	Beef, roast, cold	Rolls	75.8 12.8 79.2	.15	464.2	155.7
32	Beef, roast, croquettes with macaroni	Bread and butter Croquettes Macaroni	77.8 85.2 93.1	.15	657.5	115.3
33	Beef, roast, croquettes with spaghetti	Mashed potatoes Bread and butter		.15	579.1	106.9
34	Beef, roast, cutlet, mashed potatoes	Spaghetti	102.6 126.4 112.4	.15	653.7	129.9
35		Potatoes and gravy	122.6	.15	787.2	
99	Beef, roast, cutlet with tomato sauce	French fried pota- toes and tomato sauce Bread and butter.	85.4 83.0	.15	181.2	168.8
36	Beef, roast, hash, browned	Hash	196.8 71.9	.15	701.4	124.3
37	Beef, roast, with potato salad Beef, roast sirloin of, and mashed	Potato salad	70.3 151.2 68.8	.25	577.5	143.2
38	Beef, roast sirloin of, and mashed potatoes Blackberries and cream	Potatoes and gravy Bread and butter	72.6 164.5 65.4	.20	539.6	141.8
		gared)	108.5 60.0	.10	225.2	15.6
40 41	Bread, hot corn	Total sample	153.2 201.3	.10 .05	474.1 142.4	60.5 36.8
42	Bread, hot corn	Total sample	96.5	.05	370.0	44.5
43	age	Butter	135.3 70.6 16.0	.20	655.4	129.5
44	Cakes, buckwheat, with maple cane	Cakes	145.1 43.8	.10	430.6	50.1
45	syrup Cakes, butter (average 2 orders)	Total sample (av.) Per cent. variation from average	96.2 +5.5% —5.5%	.05	291.0 +7.8% -7.8%	46.1 +5.8% -5.8%
46	Cakes, chocolate, spiced	Total sample	95.2	.05	330.5	23.1
47 48 49	Cakes, chocolate, spiced	Surin	27 4	.05 .05 .10	209.7 299.9 565.5	18.2 34.3 53.7
50 51 52	Syrup Cake, banana layer Cake, chocolate layer. Cake, walnut layer, with marshmal-	Total sample Total sample Total sample	37.4 83.4 65.6 84.1	.05 .05	260.0 218.3 332.3	23.5 20.7 32.4
53	Cake, old fashioned molasses	Total sample	82.7	.05	288.8	24.6
54 55	Cake, pound	Total sample	87.0 270.3	.10 .15	393.0 575.3	35.9 65.5
56	Cakes, wheat, with maple cane syrup (average 6 orders)	Total sample Total sample (av.) Per cent. variation from average	188.2 +15.6%	.10	476.2 +14.1% -13.2%	49.9 +19.4% —12.8%
57	Cantaloup	Edible portion	127.0	.15	37.4	4.1

	Calories i Sample	n	Calori 5 Ce		Dist	ribution Heat	of	Nutri- tional Cal- ories	Classification	No.
Protein Nutri- tional	Fat	Carbo- hydrate	Total Bomb	Total Nntri- tional	Pro- tein	Fat	Carbo- hydrate	from Bread and Butter		
101.7	219.0	214.5	143.8	133.8	% 19.0	% 40.9	% 40.1	% 44.3	Meats	27
68.6	137.0	223.8	152.1	143.1	16.0	31.9	52.1	53.1	Meats	28
115.0	148.0	228.2	178.8	163.7	23.4	30.1	46.5	51.7	Meats	29
122.3	324.4	300.9	265.2	249.2	16.4	43.4	40.2	••••	Meats	30
111.8	154.2	154.3	154.7	140.1	26.6	36.7	36.7	63.4	Meats	31
82.8	211.9	330.3	219.2	208.3	13.3	33.9	52.8	34.3	Meats	32
76.8	188.8	283.4	193.0	183.0	14.0	34.3	51.7	••••	Meats	33
93.2	265.6	258.2	217.9	205.7	15.1	43.0	41.9	38.3	Meats	34
121.2	318.1	300.3	262.4	246.5	16.4	43.0	40.6	38.4	Meats	35
89.2	301.0	276.1	233.8	222.1	13.4	45,2	41.4	36.9	Meats	36
102.8	178.7	255.6	115.5	107.4	19.1	33.3	47.6	43.9	Meats	37
101.8	141.4	256.4	134.9	124.9	20.3	28.3	51.4	44.8	Meats	38
11.2	96.7	112.9	112.6	110.4	5.0	51.2	43.8	• • • •	Fruit	39
43.5 26.5 32.0 93.0	104.3 76.0 91.3 351.8	309.3 29.6 234.2 174.1	237.1 142.4 370.0 163.9	228.6 132.1 357.5 154.7	9.5 20.1 9.0 15.0	22.8 57.5 25.5 56.9	67.7 22.4 65.5 28.1	••••	Miscellaneous Miscellaneous Miscellaneous	40 41 42 43
36.0	67.2	313.3	215.3	208.3	8.6	16.1	75.3		Miscellaneous	44
33.1	71.3 +5.8% -5.8%	173.6 +8.9% -8.9%	291.0 +7.8% -7.8%	278.0 +7.9% —7.9%	12.0 +1.7 -1.7	25.6 +1.6 -1.6	62.4 +1.0 -1.0	• • • •	Miscellaneous	45
16.6 13.1 24.6 38.5	85.7 79.6 72.8 143.6	221.7 111.9 192.8 368.2	330.5 209.7 299.9 282.8	324.0 204.6 290.2 275.2	5.1 6.4 8.5 7.0	26.4 38.9 25.1 26.1	68.5 54.7 66.4 66.9	••••	Pastry and dessert Pastry and dessert Pastry and dessert Miscellaneous	47
16.9 14.8 23.3	76.0 47.5 99.5	160.5 150.1 200.4	260.0 218.3 332.3	253.4 212.4 323.2	6.6 7.0 7.2	30.0 22.3 30.8	63.4 70.7 62.0		Pastry and dessert Pastry and dessert Pastry and dessert	51
17.7 25.8 47.0 35.8 	62.2 146.5 146.7 108.5 +18.3% -30.0%	202.0 210.6 363.1 317.8 +15.7% -8.8% 33.3	288.8 196.5 191.8 238.1 +14.2% -13.2% 12.5	281.9 191.5 185.6 231.1 +14.0% -12.9% 12.1	6.3 6.7 8.4 7.7 +10.4 -9.1 8.0	22.1 38.3 26.3 23.3 +21.8 -23.6	71.6 55.0 65.3 69.0 +9.0 -6.9 92.0	••••	Pastry and dessert Pastry and dessert Miscellaneous. Miscellaneous.	54 55 56

No.	Name of Food	Constituents		Cost,	i	ories n nple
		Food	Gm.	lars	Total Bomb	Pro- tein Bomb
58	Champagne	Total sample	375.5*	\$2.00	344.9	From alcohol
59 60	Charlotte Russe	Total sample Chicken and toast. Bread and butter	43.5 160.7 40.6	.05 .20	161.3 400.2	17.2 102.3
61	Chicken croquette and French fried potatoes	Croquette Potatoes	87.4 96.1	.15	499.7	77.5
62	Chicken cutlet with mashed potatoes	CDITIEL	86.5 105.5	.15	602.2	101.0
63	Chicken giblets on toast	Potatoes Bread and butter. Giblets and toast. Potatoes	96.4 177.2 124.2	.20	673.5	217.8
64	Chicken hash	Bread and butter	74.3 124.3	.15	468.1	97.1
65	Chicken wings on toast	Bread and butter Total edible chicken Toast and potatoes,		.20	753.4	285.6
66	Clam chowder	Bread and butter Chowder Crackers	75.0 413.2 46.0	.20	429.5	96.1
67 68	Cocoa	Total sample	257.3	.05 .15	256.7 567.8	32.9 155.6
•	2 orders)	Codfish (average) Per cent. variation	+4.1% 4.1%		+8.6% -8.6%	+4.9% -4.9%
		from average Toast (average) Per cent. variation	44.1 +6.1%	••••	0.070	2.0 /0
		from average Bread and butter	-6.1%			
		(average) Per cent. variation	70.8 +14.4%			
69	Coffee, cup of, containing cream and	from average	-14.4% 327.8	.05	202.9	27.5
70	sugar Corn, stewed Corn flakes and milk	Total sample	70.1	.05	54.5	7.0
71		Corn flakes	19.3 233.5	.10	237.5	54.7
72 73	Cornstarch, chocolate, with cream Cornstarch, chocolate, with whipped cream	Total sample Total sample Cream lost	160.5 160.9	.05 .05	239.3 164.1	27.4 16.2
74	Cornstarch, strawberry, with whipped cream	Total sample	119.7	.05	102.5	1.3
75 76	Cornstarch, vanilla, with cream Crab, deviled (average 2 orders)	Total sample Crab (edible) (av.)	172.2 81.4	.05	213.9 386.6	26.1 84.9
	, , , , , , , , , , , , , , , , , , , ,	Per cent, variation	+11.8% $-11.8%$		+9.3% -9.3%	+7.8% -7.8%
		from average Bread and butter (average)	67.8			
		Per cent. variation from average	$^{+0.6\%}_{-0.6\%}$			
		Water cress (av) Per cent. variation	$15.4 \\ +26.5\%$			
77	Crackers, graham (average 3 orders)	from average Total sample (av.).	-26.5% 51.8	.05	230.1	21.4
		Per cent. variation	$+2.5\% \\ -5.3\%$		+2.4% -4.6%	$^{+1.4\%}_{-0.7\%}$
78 79	Crackers, milk	from average Total sample Crackers	72.6 70.8	.05 .10	326.6 483.6	33.5 80.2
80	Crackers, soda, and milk	Milk Crackers Milk	226.9 52.5 238.7	.10	397.4	71.6
81 82	Cream roll	Total sample	239.0 47.4	.15 .05	515.9 230.4	35.5 18.8
83 84	Cream of wheat	Total sample Total sample	205.9 110.7	.10	135.2 457.0	32.9 46.0
85	Custard, baked apple, with whipped cream	Total sample	193.9	.10	269.3	22.7
86 87	Custard, cup	Total sample Total sample	189.7 74.9	.05	234.1 193.4	53.4 19.2
87	Eciair, chocolate	Total sample	74.9	.05	193.4	

^{*} Cubic centimeters.

	Calories i Sample	n	Calori 5 Ce		Dis	tribution Heat	of	Nutri- tional Cal- ories	Classification	No.
Protein Nutri- tional	Fat	Carbo- hydrate	Total Bomb	Total Nntri- tional	Pro- tein	Fat	Carbo- hydrate	from Bread and Butter		
267.8		77.1		8.6	%	%	% 22.7	%		58
12.4 73.5	71.5 88.5	72.6 209.4	161.3 100.1	156.5 92.9	7.9 19.8	45.7 23.8	46.4 56.4	37.5	Pastry and dessert Meats	59 60
55.7	200.9	221.3	166.6	159.3	11.7	42.1	46.2		Meats	61
72.5	163.7	337.5	200.7	191.2	12.6	28.5	58.9	57.6	Meats	62
156.4	158.6	297.1	168.4	153.0	25.6	25.9	48.5	41.5	Meats	63
69.8	183.4	187.6	156.0	146.9	15.8	41.6	42.6	46.3	Meats	64
205.0	184.1	283.7	188.4	168.2	30.5	27.4	42.1	38.2	Meats	65
69.0	41.2	292.2	107.4	100.6	17.1	10.2	72.7 .		Soups	66
23.7 111.8	67.5 157.0 +20.5% —20.5%	156.3 255.2 +3.9% —3.9%	256.7 189.3 +8.6% —8.6%	247.5 174.7 +9.1% —9.1%	9.6 21.4 +4.2 -4.2	27.3 29.7 +11.5 —11.5	63.1 48.9 +5.2 —5.2	46.3	Miscellaneous Meats	67 68
								2		
19.8	23.2	152.2	202.9	195.2	10.1	11.9	78.0	••••	Miscellaneous	69
5.0 39.3	3.8 83.2	43.7 99.6	54.5 118.8	52.5 111.1	9.5 17.7	7.2 37.5	83.3 44.8	••••	Miscellaneous Dairy dish	70 71
19.7 11.7	117.2 9.5	94.7 138.4	239.3 164.1	231.6 159.6	8.5 7.3	50.6 6.0	40.9 86.7		Pastry and dessert Pastry and dessert	
1.0	5.1	96.1	102.5	102.2	1.0	5.0	94.0		Pastry and dessert	74
18.7 61.0	26,8 106,2 +9.5% —9.5%	161.0 195.5 +10.0% —10.0%	213.9 96.8 +9.3% —9.3%	206.5 90.7 +9.3% —9.3%	9.0 16.9 +1.1 —1.1	13.0 29.3 +0.0 -0.0	78.0 53.8 +0.5 -0.5	64.1	Pastry and dessert Meats	75 76
15.4 24.0 57.6	49.2 +1.6% -3.2% 80.3 157.1	159.6 +3.0% -6.0% 212.8 246.3	230.1 +2.4% -4.6% 326.6 241.8	223.3 +2.3% -4.6% 317.1 230.5	6.8 +6.0 -3.0 7.6 12.5	22.0 +1.5 -0.8 25.3 34.1	71.2 +0.6 -1.2 67.1 53.4	••••	Dairy dish Dairy dish Dairy dish	77 78 79
51.4	131.9	193.9	198.7	188.6	13.6	35.0	51.4		Dairy dish	80
25.5 13.5 23.6 33.0 16.3	450.3 116.4 0.6 168.2 28.3	30.1 95.2 101.7 242.8 208.3	172.0 230.4 67.6 457.0 134.7	168.7 225.1 63.0 444.0 131.5	5.0 6.0 18.7 7.4 6.2	89.1 51.7 0.5 37.9 14.6	5.9 42.3 80.8 54.7 79.2	••••	Miscellaneous Pastry and dessert Dairy dish Pastry and dessert Pastry and dessert	83
38.3 13.8	50.4 48.3	130.3 125.9	117.1 193.4	109.5 188.0	17.5 7.3	23.0 25.7	59.5 67.0	••••	Pastry and dessert Pastry and dessert	86 87

We	Name of Book	Constituents		Cost,	Calo ir San	1
No.	Name of Food	Food	Gm.	Dol- lars	Total Bomb	Pro- tein Bomb
88	Eggs, boiled (2)	Eggs (edible) Toast and butter	91.6	\$0.15	391.0	92.8
89	Eggs, creamed on toast	Toast and butter Creamed eggs	42.0 193.6	.20	663.9	146.6
00	Dago, available of toubterment	Toast	48.4	.20	000.0	140.0
90	Eggs, fried (2) (average 2 orders)	Bread and butter Eggs (average)	68.3 84.7	.15	527.8	105.8
		Per cent. variation from average	+9.9% -9.9%	• • • • •	+4.0% -4.0%	+2.3% $-2.3%$
		Bread and butter		••••	4.0%	2.5%
		Per cent. variation	$84.5 \\ +14.4\%$			
91	Egg plant fried in butter	from average Total sample	-14.4% 154.0	.15	637.6	46.0
92	Eggs, poached on toast (2)	Eggs	83.1	.20	286.2	46.8 84.5
93	Eggs, scrambled (2)	Toast Eggs	48.3 64.6	.15	461.1	78.7
94	Fish cakes with macaroni	Bread and butter	67.6 143.7	.20	537.8	
04	rish cakes with macaroni	Macaroni	91.4	.20	991.0	107.1
95	Fish cakes with poached egg	Bread and butter Fish cakes	58.1 118.1	.20	603.8	129.5
		Poached egg Bread and butter	44.3 88.1			
96	Fish cakes with spaghetti	Fish cakes	122.8	.20	512.9	108.4
		Spaghetti Bread and butter	141.2 76.1			
97	Fish cakes with tomato sauce	Fish cakes Bread and butter	153.6 76.9	.15	506.5	81.0
98	Frankfurters and potato salad	Frankfurters Potato salad	65.4	.15	619.8	114.0
		Potato salad Bread and butter	158.6 72.9			
99 100	Grape fruit	Edible portion Ham	189.3 90.2	.15	79.0 936.7	6.3 158.0
100	Ham, broned	Bread	67.7	.20	300.1	100.0
101	Ham, cold	Potatoes	106.6 65.6	.15	574.8	86.6
102	Ham croquettes	Bread and butter Croquettes	63.7 82.1	.10	556.8	108.8
104	Ham Croquettes	Mashed potatoes		•10	050.0	100.0
		and gravy Bread and butter	166.3 50.2			
103	Ham, fried	Ham Bread and butter	63.6 62.7	.25	468.2	120.6
104	Ham and beans (Boston)	Ham	42.6	.15	638.5	122.4
		Bread and butter	107.6 78.8			
105	Ham and beans (New York)	Ham Beans	35.9 176.9	.15	662.0	149.6
****	TT 3 (03)	Bread and butter	72.8	0.5	040.0	101.0
106	Ham and eggs (average 9 orders)	Ham (average) Per cent. variation	$53.7 \\ +40.0\%$.25	842.6 +15.0%	181.9 +18.2%
		from average Eggs (average)	-26.3% 73.5	• • • • •	-20.6%	-12.2%
		Per cent. variation	+20.5%		1	
		from average Potatoes (average)	-21.8% 79.0			
		Per cent. variation from average	+58.3% $-33.6%$			
		Bread and butter				
		(average) Per cent. variation	$68.9 \\ +27.4\%$			
107	Ham, minced, and scrambled eggs	from average Ham and eggs	-21.6% 116.8	.20	763.4	126.5
201	, and sometime of the second	French fried pota-	72.4		10011	
		Bread and butter	75.4			
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	Sample	n	Calori 5 Ce		Dist	ribution Heat	of	Nutri- tional Cal- ories	Classification	No.
Protein Nutri- tional	Fat	Carbo- hydrate	Total Bomb	Total Nntri- tional	Pro- tein	Fat	Carbo- hydrate	from Bread and Butter		
66,6	189.7	108.5	130.3	121.6	% 18.3	% 52.0	% 29.7	%	Eggs	88
105.2	258.9	258.4	166.0	155.6	16.9	41.6	41.5	37.6	Eggs	89
76.0	229.9 +5.5% -5.5%	192.2 +16.2% —16.2%	$176.0 \\ +4.0\% \\ -4.0\%$	166.0 +4.0% -4.0%	15.3 +1.3 -1.3	46.3 +9.8 -9.8	38.4 +12.1 —12.1	58.1	Eggs	90
35.2 60.7	396.5 83.3	194.3 118.4	212.5 71.6	208.7 65.6	5.6 23.2	63.4 31.7	31.0 45.1	••••	Miscellaneous	91 92
56.5	230.1	152.3	153.7	146.3	12.9	52.4	34.7	52.6	Eggs	93
76.9	136.7	294.0	134.5	126.9	15.1	26.9	58.0		Meats	94
93.0	190.3	284.0	151.0	141.8	16.4	33.5	50.1	53.2	Meats	95
77.9	100.8	303.7	128.2	120.6	16.1	20.9	63.0	54.0	Meats	96
58.2	154.0	271.5	168.8	161.2	12.0	31.9	56.1	54.4	Meats	97
81.9	244.3	261.5	206.6	195.9	13.9	41.6	44.5	42.5	Meats	98
4.6 113.5	478.5	72.7 300.2	26.3 234.2	25.8 223.1	6.0 12.7	53.6	94.0 33.7		Fruit	
62.2	366.6	121.6	191.6	183.5	11.3	66.6	22.1	39.6	Meats	101
78.1	197.5	250.5	278.4	263.1	14.8	37.6	47.6	. 32.7	Meats	102
86.6	204.6	143.0	93.6	86.8	20.0	47.1	32.9	49.6	Meats	103
87.9	256.1	260.0	212.8	201.3	14.5	42.4	43.1	44.6	Beans or meats	104
107.4	115.5	396.9	220.7	206.6	17.4	-18.6	64.0	40.2	Beans or meats	105
130.6	411.9 +11.2% —19.2%		168.5 +15.0% -20.6%		16.6 +18.2 -16.2	52.2 +10.7 —9.5	31.2 -22.8 -24.0	29.8	Meats or eggs	106
90.8	402.1	234.8	190.9	181.9	12.5	55.2	32.3	35.5	Eggs	107

No.	Name of Food	Constituents		Cost,	Calc i: Sar	
		Food	Gm.	lars	Total Bomb	Pro- tein Bomb
108	Ham and potato salad	Ham Potato salad Bread and butter	177.5	\$0.20	665.3	116.5
109 110 111	Ice cream, strawberry	Total sample	105.3 134.8	.10 .10 .05	208.3 233.7 113.5	14.9 21.9 13.4
112	cream Jelly, strawberry fruit, with whipped cream	Total sample	128.2	.05	155.8	3.2
113		Chops (edible) Potatoes Toast and butter Bread and butter	85.1	.30	852.9	146.5
114	Lamb chops breaded with mashed potatoes	Chops (edible) Potatoes and gravy Bread and butter	42.6 111.1	.20	554.9	85.4
115	Lamb croquettes and mashed potatoes	Croquette Potatoes and sauce Bread and butter	134.9 189.0	.15	918.4	156.8
116	Lamb cutlet with mashed potatoes	Cutlet Potatoes Bread and butter	99.5 120.6	.15	651.8	126.3
117	Lamb pie, baked, individual	Pie	213.5 76.7	.15	613.4	178.1
118	Liver and bacon	Liver	63.9 16.3	.25	797.2	177.5
119	liver and bacon with lyonnaise potatoes	Bacon	85.4 127.3 20.6	.25	814.5	210.9
120	Liver and onions with French fried potatoes	TICHCH LITCU POVA-	65.6 51.8 55.5	.20	838.5	135.8
121		Rolls and butter Liver and gravy	57.8 81.8 90.5	.15	532.3	134.9
122 123	Macaroni, side order	Total sample Macaroni and cheese Bread and butter	119.8 212.1 42.9	.05 .10	133.3 382.8	26.7 69.5
124	potatoes	Mackerel (edible) Potatoes	100.8 112.1	.20	830.1	218.0
125	Maple flakes with milk	Maple flakes	31.3	.10	283.4	64.0
126	Meat cakes, German, with French fried potatoes	Potatoes	112.8	.15	890.2	130.6
127	Meat cakes, German, with Lyonnaise potatoes	Potatoes	156.3 103.2	.15	788.6	175.2
128 129 130 131 132	Milk Muffins, corn Muffins, hot corn. Napoleon Oatmeal, fresh cooked, with cream	Oatmeal	453.6 101.3 103.5 113.1 195.9	.10 .05 .05 .05	312.8 352.3 341.5 461.7 396.3	79.0 35.9 47.6 28.8 47.1
133	Omelet, chicken	Cream Omelet	95.8 132.4	.25	494.0	141.5
134		Omelet	116.7 68.4	.20	703.7	146.6
135	Omelet, macaroni, with tomato sauce	Bread and butter	68.6 249.6	.25	636.7	145.7

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	Dalories i Sample			ies for ents	Dist	tribution Heat	of	Nutri- tional Cal- ories	Classification	No.
Protein Nutri- tional	Fat	Carbo- hydrate	Total Bomb	Total Nntri- tional	Pro- tein	Fat	Carbo- hydrate	from Bread and Butter		
83.7	317.0	231.8	166.3	158.1	% 13.3	% 50.1	% 36.6	% 31.1	Meats	108
10.7 15.7 9.7	106.7 118.3 40.3	86.7 93.5 59.8	104.2 116.9 113.5	102.1 113.8 109.8	5.2 6.9 8.8	52.3 52.0 36.7	42.5 41.1 54.5	••••	Pastry and dessert Pastry and dessert Pastry and dessert	110
2.3	34.2	118.4	155.8	154.9	1.5	22.1	76.4		Pastry and dessert	112
105.2	365.8	340.6	142.2	135.3	13.0	45.0	42.0	••••	Meats	113
61.3	249.6	219.9	138.7	132.7	11.6	47.0	41.4	48.6	Meats	114
112.6	426.0	335.6	306.1	291.4	12.9	48.7	38.4	29.5	Meats	115
90.7	252.8	272.7	217.3	205.4	14.7	41.0	44.3	36.9	Meats	116
127.9	204.6	230.7	204.5	187.7	22.7	36.3	41.0	46.6	Meats	117
127.5	334.6	285.1	159.4	149.4	17.0	44.8	38.2	36.4	Meats	118
151.4	299.7	303.9	162.9	151.0	20.1	39.7	40.2	29.7	Meats	119
97.5	398.6	304.1	209.6	200.1	12.2	49.8	38.0	••••	Meats	120
96.9	151.1	246.3	177.4	164.8	19.6	30.6	49.8	51.7	Meats	121
19.2 49.9	14.4 46.9	92.2 266.4	133.3 191.4	125.8 181.6	15.3 13.7	11.4 12.9	73.3 73.4	40.5	Miscellaneous Miscellaneous	122 123
156.6	339.4	272.7	207.5	192.2	20.4	44.1	35.5	44.1	Meats	124
45.9	84.5	134.9	141.7	132.6	17.3	31.8	50.7		Dairy dish	125
93.8	398.0	361.6	296.7	284.5	11.0	46.6	42.4	27.2	Meats	126
125.8	344.5	268.9	262.9	246.4	17.0	46.6	36.4		Meats	127
56.7 25.8 34.2 20.7 33.8	156.9 81.2 96.4 204.4 212.7	76.9 235.2 197.5 228.5 136.5	156.4 352.3 341.5 461.7 132.1	145.3 342.2 328.1 453.6 127.7	19.5 7.5 10.4 4.5 8.8	54.0 23.7 29.4 45.1 55.6	26.5 68.8 60.2 50.4 35.6	••••	Miscellaneous Miscellaneous Miscellaneous Pastry and dessert Dairy dish	128 129 130 131 132
101.6	240.8	111.7	98.8	90.8	22.4	53.0	24.6	32.1	Eggs	133
105.3	263.9	293.2	175.9	165.6	15.9	39.9	44.2	35.5	Eggs	134
104.6	244.8	246.2	127.3	119.1	17.6	• 41.1	41.3	38.5	Eggs	135

No.	Name of Food	Constituents		Cost, Dol-	Calo ir San	1
110.	Name of 1000	Food	Gm.	lars	Total Bomb	Pro- tein Bomb
136	Omelet, Onion	Omelet	197.6	\$0.20	552.7	128.3
137	Omelet, parsley	Bread and butter Omelet	40.8 103.0	.20	489.2	100.5
138	Omelet, plain (average 8 orders)	Bread and butter Omelet (average)	71.5 109.9	.15	529.5	117.2
		Per cent. variation from average Bread and butter (average)	+5.8% -8.0%	•••••	+28.1% -14.7%	+17.4% -15.1%
		Per cent. variation from average	+52.1% -46.6%			
139	Omelet, Spanish, with French fried potatoes	Omelet Potatoes	182.7 59.0	.25	697.7	134.8
140	Omelet, tomato	Bread and butter Omelet Rolls and butter	76.9 178.9 112.6	.20	738.5	145.6
141	Omelet, tomato, with potatoes	Omelet	170.5 78.5	.25	633.2	83.3
142	Oyster fry, large (average 2 orders)	Bread and butter Oysters (average) Per cent. variation	76.5 191.8 +5.2%	.25	844.3 +1.0%	125.4 +3.8%
		from average Bread and butter (average) Per cent. variation	-5.2% 82.9 +10.4%	••••	-1.0%	-3.8%
143	Oyster fry, plain, with bacon	Bacon	196.1 17.3	.30	1,076.2	162.2
144	Oyster fry, small	Bread and butter	74.4	.20	729.7	117.6
145 146	Oyster pie Oysters, raw Pie, apple	Total sample	298.2 98.6	.15 .15	690.4 64.9	103.7 32.0
147 148	Pie, blackberry	Total sample	145.2	.05	343.1 361.7	20.9 20.8
149	Pie, cherry (average 2 orders)	Per cent. variation	12.6%	.10	389.5 +8.0% -8.0%	$23.3 \\ +27.4\% \\ -27.4\%$
150 151	Pie, cocoanut Pie, huckleberry Pie, lemon Pie, minee Pie, peach Pie, pineapple Pie, pumpkin Pie, rhubarb Pie, strawberry Pircorpul, sliged (average 2 anders)	Total sample Total sample	159.6	.05 .10	389.7 363.9	59.7 15.9
152 153	Pie, lemon Pie, mince	Total sample	177.4	.05	284.8 401.1	18.2 45.9
154 155	Pie, peach Pie, pineapple	Total sample	169.6	.10	368.4 353.0	16.5 20.0
156 157	Pie, pumpkin	Total sample	170.9	.05	307.6 291.3	40.7 15.9
158	Pie, strawberry	Total sample	149.5	.10	382.7	23.5
159	Pineapple, sliced (average 2 orders)	Pineapple (average) Per cent. variation	124.2 +0.02%	.05	36.5	4.1
160	Pork and beans, Boston	from average Pork Beans	-0.02% 62.2	.15	868.0	135.1
161	Pork and beans, New York (average 2 orders)	Bread and butter Pork (average) Per cent. variation	65.7 23.6	.15	631.1 +6.6%	124.9 +9.0%
	2 Orders)	from average Beans (average) Per cent. variation from average	-3.8% 161.2 +3.4% -3.4%	• • • • •	-6.6%	-9.0%
		Bread and butter (average) Per cent. variation from average	67.1 +2.9% -2.9%			
162 163 164	Potatoes, French fried, extra order Pudding, bread, with vanilla sauce Pudding, bread, custard	Total sample Total sample Total sample	131.7 201.8	.10 .05 .05	329.8 311.9 371.4	31.8 47.7 56.8

(Calories i Sample	ní		ies for ents	Dis	tribution Heat	of	Nutri- tional Cal- ories	Classification	No.
Protein Nutri- tional	Fat	Carbo- hydrate	Total Bomb	Total Nutri- tional	Pro- tein	Fat	Carbo- hydrate	from Bread and Butter		
92.1	291.7	132.7	138.2	129.1	% 17.8	% 56.5	% 25.7	% 27.0	Eggs	136
72.2	214.1	174.6	122.3	115.2	15.6	46.5	57.9	53.1	Eggs	137
84.2	254.4 +25.7% —17.6%	157.9 +40.3% -35.4%	176.5 +28.1% —14.7%	165.5 +29.0% —14.8%	17.0 +10.0 —9.4	51.5 +14.6 10.7	31.5 +19.6 -23.5	47.2	Eggs	138
.										
96.8	304.3	258.6	139.5	132.1	14.7	46.1	39.2	39.8	Eggs	139
104.5	313.5	279.4	184.6	174.4	15.0	45.0	40.0	55.3	Eggs	140
59.8	205.2	344.7	126.6	121.9	9.8	33.7	56.7	42.9	Eggs	141
90.0	364.8 +0.3% -0.3%	354.2 +3.5% —3.5%	168.9 +1.0% 1.0%	161.8 +1.2% -1.2%	11.1 +5.5 5.5	45.1 +0.8 -0.8	43.8 +2.3 -2.3	35.1	Oysters	142
116.5	469.4	444.6	179.4	171.8	11.3	45.6	43.1	32.0	Oysters	143
84.5	218.6	393.5	182.4	174.2	12.1	31.4	56.5	36.6	Oysters	144
74.4 23.0 15.0 14.9 16.7 42.9 11.4 13.1 32.9	265.1 11.9 101.2 94.9 91.5 +36.7% -36.7% 183.7 81.9 96.3 97.2	321.6 21.0 221.0 246.0 274.8 +3.2% -3.2% 146.3 266.1 170.3 258.0	230.1 21.6 343.1 180.9 194.8 +8.0% -8.0% 389.7 182.0 284.8 200.6	220.4 18.6 337.2 177.9 191.5 +7.7% -7.7% 872.9 179.7 279.7 194.1	11.3 41.1 4.5 4.2 4.3 +5.8 -5.8 11.5 3.2 4.7 8.5	40.1 21.3 30.0 26.6 23.3 +29.7 -29.7 49.3 22.8 34.4 25.1	48.6 37.6 65.5 69.2 72.4 +10.8 -10.8 39.2 74.0 60.9 66.4	••••	Oysters Oysters Pastry and dessert	146 147 148 149 150 151 152 153
11.8 14.4 29.2 11.4 16.8 2.9	93.9 113.7 79.1 75.8 86.0	258.0 219.3 187.8 199.6 273.2 32.4	184.2 353.0 307.6 291.3 191.4 36.5	181.8 347.4 296.1 286.8 188.0 35.3	3.2 4.1 9.9 4.0 4.4 8.2	25.8 32.7 26.7 26.4 22.9	71.0 63.2 63.4 69.6 72.7 91.8	••••	Pastry and dessert Pastry and dessert Pastry and dessert Pastry and dessert Pastry and dessert Fruit	155 156 157
97.0	445.4	287.5	289.3	276.6	11.7	53.7	34.6	27.1	Beans or meats	160
89.7	178.0 +14.3% —14.3%	328.2 +17.2% -17.2%	210.4 +6.6% —6.6%	198.7 +6.5% —6.5%	15.1 +2.3 —2.3	30.2 +20.7 -20.7	54.7 +10.8 —10.8	38.5	Beans or meats	161
22.8 34.2 40.8	96.3 37.4 48.9	201.7 226.8 265.7	164.9 311.9 371.4	160.4 298.4 355.4	7.1 11.5 11.5	30.0 12.5 13.7	62.9 76.0 74.8		Miscellaneous Pastry and dessert Pastry and dessert	

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No.	Name of Food	Constituents		Cost,		lories 'in mple
		Food	Gm.	lars	Total Bomb	Pro- tein Bomb
165	Pudding, cabinet, with vanilla sauce (average 2 orders)	Total sample (av.). Per cent. variation from average	+11.0%	\$0.05	416.8 +22.5% -22.5%	61.6 +19.6% -19.6%
166 167	Pudding, Indian, with maple sauce Pudding, New England, with vanilla sauce	Total sample	167.9 244.5	.05 .05	237.0	34.7 41.0
168 169 170 171 172 173	Pudding, rice, cold	Per cent. variation from average Bacon (average) Per cent. variation from average	224.5 64.8 118.3 161.6 97.2 +17.5% -17.5% 4.9		275.4 225.5 197.9 95.0 135.6 611.0 +12.7% —12.7%	43.6 29.4 29.3 4.0 17.0 79.3 +6.0% -6.0%
		Potatoes and sauce (average) Per cent. variation from average Bread and butter (average) Per cent. variation from average	132.4 +13.5% -13.5% 74.7 +1.2% -1.2%			
174 175 176 177	Rice, hot, with butter	Total sample Rice, sugar, cream. Total sample Rice Poached egg Bread and butter	188.3 338.4 298.7 153.1 48.1 62.5	.10 .15 .10 .15	313.0 533.8 294.2 452.5	27.5 48.5 53.4 80.4
178	Roast, Vienna, with French fried potatoes	Roast	181.4 71.4 72.6	.15	886.4	183.5
179	Roast, Vienna, with spagnetti and potatoes	Vienna roast Spaghetti Mashed potatoes Buttered bread Butter	103.9 69.4 98.8 70.5 10.7	.15	749.4	143.7
180	Roast, Vienna, with stewed tomatoes	Roast and tomatoes	136.1	.15	553.2	103.4
181	Salad, crab meat	Crab meat Lettuce Boiled egg Bread and butter	47.8 114.0 34.5 13.7	.20	437.7	140.9
182	Salad, egg	Lettuce	79.1 117.6 31.7	.20	497.8	119.8
183	Salad, potato	Bread and butter Potatoes, etc Lettuce	74.5 227.6 18.3	.10	448.3	50.9
184	Salad, tuna fish	Bread and butter Salad Bread and butter	48.7 166.0 69.8	.25	591.3	131.0
185 186 187 188	Sandwich, American cheese	Total sample Total sample Total sample Toast Lettuce	63.7 50.0 92.0 73.3 10.8	.05 .10 .10 .25	244.2 167.0 282.9 438.6	49.7 38.6 48.2 111.3
189	Sandwich, corned beef (average 18 orders)	Chicken and bacon Corned beef (av.). Per cent. variation from average Bread and butter (average) Per cent. variation from average	42.4 17.5 +44.5% -50.9% 43.0 +17.4% -26.1%	.05	201.4 +26.0% —24.9%	54.6 +39.1% —37.7%

- REITE I										_
	Calories i Sample	n	Calori 5 Ce		Dis	tribution Heat	of	Nutri- tional Cal- ories	Classification	No.
Protein Nutri- tional	Fat	Carbo- hydrate	Total Bomb	Total Nutri- tional	Pro- tein	Fat	Carbo- hydrate	from Bread and Butter		
44.2	77.1 +7.9% —7.9%	278.2 +27.1% -27.1%	416.8 +22.5% -22.5%	399.5 +22.5% —22.5%	% 11.1 +3.1 -3.1	% 2.0 +14.8 —14.8	% 68.9 +4.8 —4.8	%	Pastry and dessert	165
24.9 29.4	58.5 25.6	143.8 275.7	237.0 342.3	227.2 330.7	11.0 8.9	25.7 7.7	63.3 83.4	••••	Pastry and dessert Pastry and dessert	
31.3 21.1 21.0 2.9 12.2 57.0	$\begin{array}{c} 47.4 \\ 21.4 \\ 24.1 \\ 1.2 \\ 1.3 \\ 210.5 \\ +26.1\% \\ -26.1\% \end{array}$	184.4 174.7 144.5 89.8 117.3 321.2 +5.5% —5.5%	275.4 225.5 197.9 95.0 135.6 203.7 +12.7% —12.7%	263.1 217.2 189.6 93.9 130.8 196.2 +13.0% —13.0%	11.9 9.7 11.1 3.1 9.3 9.8 +6.6 -6.6	18.0 9.9 12.7 1.3 1.0 35.1 +13.6 -13.6	70.1 80.4 76.2 95.6 89.7 55.1 +7.4 -7.4	43.4	Pastry and dessert Pastry and dessert Pastry and dessert Miscellaneous Miscellaneous	169
19.7 34.8	79.8 258.4	205.7 226.9	156,5 177.9	152.6 173.3	6.5 6.7	26.1 40.7	67.4 43.6		Miscellaneous	174 175
28.3 57.7	19.2 118.8	221.6 253.3	147.1 150.8	139.6 143.3	13.7 13.4	6.9 27.6	79.4 59.0	49.8	Miscellaneous Miscellaneous	176 177
131.8	294.9	408.0	295.5	278.3	15.8	35.4	48.8	29.7	Meats	178
103.2	255.6	350.1	249.8	236.3	14.6	36.0	49.4	34.0	Meats	179
74.3	247.9	201.9	184.4	174.7	14.2	47.3	38.5	31.3	Meats	180
101.2	131.4	165.4	109.4	99.5	25.4	33.0	41.6	68.1	Salads	181
86.0	196.0	182.0	124.5	116.0	18.5	42.2	89.3	54.9	Salads	182
36.5	157.8	239.6	224.2	217.0	8.4	36.4	55.2	38.4	Salads	183
94.1	282.8	177.5	118.3	110.9	17.0	51.0	32.0	43.0	Salads	184
35.7 27.8 34.6 79.9	103.1 38.4 111.4 179.1	91.4 90.0 123.3 148.2	244.2 83.5 141.5 87.7	230.2 78.1 134.7 81.4	15.5 17.8 12.8 19.6	44.8 24.6 41.4 44.0	39.7 57.6 45.8 36.4	••••	Sandwiches Sandwiches Sandwiches Sandwiches	185 186 187 188
39.2	47.9 +80.1% —82.9%	98.7 +27.2% —21.4%	201.4 +26.0% 24.9%	186.0 +27.1% -28.5%	$21.4 \\ +63.1 \\ -34.1$	25.2 +53.6 -75.7	53.4 +19.1 —15.9	79.1	Sandwiches	189

No.	Name of Food	Constituents		Cost,	iı	29.2 59.8 62.6 48.4 +28.3%
		Food	Gm.	lars	Total Bomb	tein
190 191	Sandwich, cream cheese, walnut Sandwich, fried egg	Total sample Egg Bread and butter	58.3 38.8	\$0.05 .10	209.8 276.0	
192	Sandwich, fish cake	Fish cake	49.0 56.9	.10	253.2	62.6
193	Sandwich, ham (average 18 orders)	Bread (no butter) Ham (average)	47.5 18.3	.05	212.1	48.4
		Per cent. variation from average	+47.0% 50.8%		+22.0% $-15.4%$	
194	Sandwich, ham, with roll	Bread and butter (average) Per cent. variation from average Ham	42.4 +19.6% -19.6% 13.9 52.4	.05	273.8	42.5
195	Sandwich, Minced chicken	Roll Chicken	20.6	.05	235.1	52.5
196 197	Sandwich, minced chicken, with lettuce Sandwich, minced ham	Bread and butter Total sample Ham Bread and butter	47.0 78.6 18.3 51.7	.10 .05	182.3 291.1	
198 199	Sandwich, minced ham, with olives Sandwich, minced tongue, with tea biscuits	Total sample	61.6 76.2	.05 .05	219.4 239.5	
200	Sandwich, oyster	Oyster Bread	61.4 41.4	.10	321.9	50.7
201	Sandwich, Pimento, olive, cheese	Cheese, etc Bread and butter	6.1	.05	159.5	25.6
202	Sandwich, roast beef, hot	Beef	37.4	.15	263.9	69.3
203	Sandwich, roast beef, with roll	Roast beef	62.3 50.3 54.7	.05	385.9	99.7
204 205	Sandwich, sardine	Roll	59.5	.05 .05	217.9 258.5	37.1 51.5
206	Sandwich, tomato	Tomatoes Lettuce Bread and butter	42.5 16.0 5.1 43.4	.05	140.0	22.8
207 208	Sausage, country	Total sample Sausage	81.0 53.8	.05 .15	243.9 521.7	57.6 71.5
209	potatoes Shad, baked, and dressing	Potatoes and gravy Shad (edible) Potatoes and dress-	106.5 149.7	.20	680.9	178.5
210 211	Shortcake, strawberry	ing Bread Total sample Shredded wheat	130.6 65.5 122.9 60.6	.15 .15	283.1 494.5	27.6 56.4
212	Shredded wheat and milk	Cream	102.0 61.4	.10	404.5	81.2
213 214	Soup, bean, with croutons	Milk Total sample Chicken soup	220.1 300.5 369.6	.10 .15	180.8 321.1	42.5 70.6
215	Soup, green split pea	Bread and butter Soup Bread and butter	43.6 220.3	.10	241.1	45.9
216 217	Soup, tomato, with rice	Total sample	39.7 222.0 227.9	.10	77.5	15.7
217			45.6 212.9	.10	206.1	35.1 42.4
219 220	Spaghetti and cheese	Potatoes	168.9 94.0 131.0	.10 .10 .20	166.4 723.8	36.6 147.9
221	Steak, hamburger, with Spanish sauce	Steak	59.6 109.2 85.4	.20	681.3	183.3
		bread and butter	65.7 61.9			

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	Dalories i Sample	n	Calori 5 Ce	les for ents	Dis	tribution Heat	of	Nutri- tional Oal- ories	Classification	No.
Protein Nutri- tional	Fat	Carbo- hydrate	Total Bomb	Total Nutri- tional	Pro- tein	Fat	Carbo- hydrate	from Bread and Butter		
20.9 43.0	77.7 108.4	102.9 107.8	209.8 138.0	201.5 129.6	% 10.4 16.6	% 38.5 41.8	% 51.1 41.6	% 64.7	Sandwiches	190 191
44.9	48.8	141.8	126.6	117.8	19.1	20.7	60.2		Sandwiches	192
35.0	68.7 +49.0% -34.8%	94.7 +22.5% —16.1%	212.1 +22.0% —15.4%	198.3 +21.8% —14.9%	17.7 +28.2 —23.7	34.1 +32.2 -38.4	48.2 +21.4 -14.7	73.2	Sandwiches	193
30.5	113.3	118.0	273.8	261.8	11.7	43.2	45.1	••••	Sandwiches	194
37.7	89.5	93.1	235.1	220.3	17.1	40.6	42.3	73.0	Sandwiches	195
24.9 35.2	49.8 150.6	97.8 91.5	91.2 291.1	86.3 277.3	14.5 12.7	28.8 54.3	56.7 33.0	63.8	Sandwiches	196 197
32.1 35.5	99.2 62.9	75.5 127.2	219.4 239.5	206.8 225.6	15.5 15.7	48.0 27.9	36.5 56.4		Sandwiches	198 199
36.4	129.0	142.2	161.0	153.8	11.8	41.9	46.3	46.3	Sandwiches	200
18.4	52.0	81.9	159.5	152.3	12.1	34.1	53.8	87.0	Sandwiches	201
49.8	82.2	112.4	88.0	81.5	20.4	33.6	46.0		Sandwiches	202
71.6	156.8	129.4	385.9	357.8	20.0	43.8	36.2		Sandwiches	203
26.6 37.0	91.8 120.5	89.5 86.5	217.9 258.5	207.4 244.0	12.8 15.2	44.0 49.4	43.2 35.4	59,6	Sandwiches	204 205
16.4	25.1	92.1	140.0	133.6	12.3	18.8	68.9	96.5	Sandwiches	206
41.4 51.4	187.7 310.3	139.9	243.9 173.9	227.7 167.2	17.5 10.2	82.5 61.9	27.9	****	Meats	207 208
128.2	223.0	279.4	170.2	157.7	20.4	35.4	44.2	••••	Meats	209
19.8 40.5	100.4 227.8	155.1 210.3	94.4 164.8	91.8 159.5	7.2 8.4	36.5 47.6	56.3 44.0	• • • •	Pastry and dessert Dairy dish	210 211
58.3	83.0	240.3	202.3	190.8	15.3	21.7	63.0	• • • •	Dairy dish	212
30.5 50.7	44.8 87.4	93.5 163.1	90.4 107.0	84.4 100.4	18.1 16.8	26.5 29.0	55.4 54.2	49.5	Soups	213 214
33.0	45.3	149.9	120.6	114.1	14.5	19.9	65.6	59.4	Soups	215
11.3 25.2	9.7 37.6	52.1 133.4	38.8 103.1	36.6 98.1	15.4 12.8	13.3 19.2	71.3 68.0	79.6	Soups	216 217
30.5 26.3 106.2	21.4 14.2 288.8	124.0 115.6 287.1	93.9 83.2 181.0	88.0 78.1 170.5	17.3 16.8 15.6	12.2 9.1 42.3	70.5 74.1 42.1	29.9	Miscellaneous Miscellaneous Meats	218 219 220
131.6	225.2	272.8	170.3	157.4	20.9	35.8	43.3	33.7	Meats	221

No.	Name of Food	Constituents		Cost, Dol-	Calc ir San	1
110.	Nume 01 2000	Food	Gm.	lars	Total Bomb	Pro- tein Bomb
222	Steak, sirloin	Steak Potatoes Water cress	262.7 96.5 5.4	\$0.50	1,393.0	397.8
223	Steak, sirloin, with onions	Bread and butter Steak Onions Potatoes	75.1 182.9 63.4 95.7	.55	1,314.0	369.4
224	Steak, small (average 2 orders)	Bread and butter Steak (average) Per cent. variation from average Potatoes (average). Per cent. variation	71.2 146.5 +1.0% -1.0%	.35	1,032.8 +10.4% -10.4%	237.5 +3.8% -3.8%
		from average Bread (average) Per cent. variation from average Butter (average) Per cent. variation	-21.2% 70.2 +2.8% -2.8% 9.6			
225	Steak, small, with onions	from average Steak Onions Potatoes	-47.0% 134.5 57.7 96.8	.40	1,024.0	275.0
226	Steak, tenderloin	Bread and butter Steak Potatoes	71.2 213.3 133.8	.55	1,268.0	349.8
227	Steak, tenderloin, with onions	Bread and butter Steak Onions Potatoes	67.6 222.7 46.2 123.7	.60	1,463.0	368.4
228	Stew, beef (average 9 orders)	Bread and butter Stew (average) Per cent. variation from average	97.4 408.3	.15	641.4 +24.1% -20.7%	148.4 +22.4% -34.4%
		Bread and butter (average) Per cent. variation	61.8 +25.4%	****	-20.170	-04.470
229	Stew, lamb (average 2 orders)	Per cent. variation	-35.3% 355.9 +4.1% -4.1%	.15	622,2 +6.5% -6.5%	146.8 +4.4% -4.4%
		from average Bread and butter (average) Per cent. variation	67.3 +6.0%			
230	Strawberries with cream	from average Strawberries Cream	-6.0% 142.0 91.1	.15	280.7	17.9
231 232	Strawberries with ice cream	Total sample	212.1	.15 .10	200.5 225.1	19.3 11.3
233 234	Toast, buttered	Total sample Toast Butter	13.3 111.6 20.0	.10 .20	311.3 741.7	42.7 88.3
235 236 237	Toast, milk Tomatoes, sliced Tomatoes, sliced with lettuce	Total sample Total sample Tomatoes	79.8	.15 .10 .15	333.5 32.2 52.1	59.4 6.7 8.2
238	Tomatoes and lettuce with dressing	Tomatoes Lettuce	43.2 117.3 53.4	.20	57.4	12.5
239	Veal cutlet, breaded, with tomato sauce	Breaded veal Potatoes and gravy Bread	152.7 61.8	.20	897.8	177.8
240	Veal pot pie with dumplings	Butter	20.0 277.0 73.6	.15	568.0	153.2
241 242	Watermelon, 2 orders	Edible portion	1,080.0 179.6 119.5 68.7	.30 .20	244.3 559.7	27.6 156.7

(Dalories i Sample	n	Calori 5 Ce		Dis	tribution Heat	of	Nutri- tional Cal- ories	Classification	No.
Protein Nutri- tional	Fat	Carbo- hydrate	Total Bomb	Total Nutri- tional	Pro- tein	Fat	Carbo- hydrate	from Bread and Butter	Ciassingation	
285.6	685.9	309.3	139.3	128.1	% 22.3	% 53.5	% 24.2	% 20.1	Meats	222
265.2	578.4	366.2	119.5	110.0	21.9	47.8	30.3	20.1	Meats	223
170.5	583.5 +22.8% —22.8%	211.8 +8.0% —8.0%	147.5 +10.4% —10.4%	138.0 +11.4% -11.4%	18.0 +15.0 -15.0	59.6 +12.9 —12.9	22.4 +19.2 -19.2	28.3	Meats	224
197.5	447.6	301.4	128.0	118.3	20.9	47.3	31.8	25.8	Meats	225
251.1	543.7	374.5	115.3	106.3	21.5	46.5	32.0	19.8	Meats	226
264.5	632.6	462.0	121.9	113.3	19.4	46.6	34.0	24.5	Meats	227
106.8	234.1 +37.3% —51.7%	258.5 +29.4% —23.1%	$213.8 \\ +24.1\% \\ -20.7\%$	$199.8 \\ +25.4\% \\ -22.6\%$	18.0 +39.5 —31.6	38.6 +24.6 -36.8	43.3 +16.7 -20.8	35.3	Soups	228
105.4	234.7 +17.8% —17.8%	240.7 +3.0% —3.0%	207.4 +6.5% —6.5%	193.6 +6.7% —6.7%	18.2 +2.2 -2.2	40.1 +11.2 -11.2	41.7 +9.8 -9.8	39.6	Soups	229
12.9	20.0	242.8	93.6	91.9	4.6	7.3	88.1		Fruit	230
13.9 8.1 30.7 63.4	64.5 140.2 87.1 388.4	116.7 73.6 181.5 265.0	66.8 112.6 155.7 185.4	65.0 111.0 149.7 179.2	7.1 3.6 10.2 8.8	33.1 63.2 29.1 54.2	59.8 33.2 60.7 37.0	••••	Fruit Pastry and dessert Miscellaneous Miscellaneous	233
47.2 4.8 5.9	99.5	174.6 25.5 43.9	111.2 16.1 17.4	105.6 15.2 16.6	13.5 15.8 11.8	31.4	55.2 84.2 88.2	••••	Miscellaneous Miscellaneous Miscellaneous	235 236 237
8.9	••••	44.9	14.4	13.5	16.5		83.5		Miscellaneous	238
127.7	349.4	370.6	224.5	211.9	15.1	41.2	43.7	33.0	Meats	239
110.0	136.2	278.6	189.3	174.9	21.0	25.9	53.1	47.9	Meats	240
19.8 112.5	159.3	216.7 243.7	40.7 139.9	39.4 128.9	8.4 21.8	30.9	91.6 47.3	45.0	FruitMeats	241 242

V

TABLE 8.—SPECIAL TABLES OF ORDERS REPEATEDLY ANALYZED

A. BOSTON BAKED BEANS, PRICE 10 CENTS

	Consti	tuents†		Calories in Sample					
No.	Baked Beans	Buttered Bread	Total Bomb	Pro- tein	Fat	Carbo- hydrate	Pro- tein Nutri- tional	Nutri- tional Cal- ories for 5 Cents	
1 2 3 4 5 6	176.0 175.2 228.5 215.1 233.0 215.5	45.2 43.7 49.6 46.4 54.9	398.9 551.3 524.9 645.0 510.2 430.9	93.4 88.2 115.4 108.3 118.0 89.1	54.7 220.9 106.2 259.5 70.9 136.8	245.8 242.2 303.3 277.2 321.3 205.0	67.1 63.3 82.8 77.8 84.7 63.9	183.8 263.2 246.2 307.3 238.5 202.9	

^{*} No bread given. † In grams.

B. NEW YORK BAKED BEANS, PRICE 10 CENTS

	Const	ftuents		Total Nutri-				
No.	Baked Beans	Buttered Bread	Total Bomb	Pro- tein	Fat	Carbo- hydrate	Pro- tein Nutri- tional	tional Cal- ories for 5 Cents
1	210.5	47.5	450.5	110.5	83.1	256.9	79.3	209.7
1 2 3	161.3	49.5	447.3	104.7	68.6	274.0	75.2	208.9
3	181.0	42.4	415.6	94.3	88.6	232.7	67.7	194.5
4	162.2	52.4	638.3	116.8	201.6	319.9	83.9	302.7
5 6	235.2	49.4	602.6	123.9	190.6	288.1	89.0	283.9
	254.6	49.3	511.8	124.9	76.3	310.6	89.7	238.3
7	136.2	43.3	362.5	81.9	75.6	205.0	58.8	169.7

C. TWO FRIED EGGS, PRICE 15 CENTS

	Const	ituents		Calories in Sample					
No.	Fried Eggs	Buttered Bread	Total Bomb	Pro- tein	Fat	Carbo- hydrate	Pro- tein Nutri- tional	Nutri- tional Cal- ories for 5 Cents	
1 2	93.1 76.2	72.2† 96.7	507.0 548.6	103.3 108.3	242.5 217.2	161.2 223.1	74.2 77.7	159.3 172.7	

[†] Graham bread.

D. CABINET PUDDING WITH VANILLA SAUCE, PRICE 5 CENTS

			Total Nutri- tional Cal- ories for 5 Cents				
No.	Total Sample	Total Bomb	Pro- tein	Fat	Carbo- hydrate	Pro- tein Nutri- tional	Cal- ories for
1 2	241.9 193.6	510.2 323.4	73.6 49.5	83.2 71.0	353.4 202.9	52.8 35.6	489.4 809.5

TABLE 8 .- Continued E. CORNED BEEF SANDWICH, PRICE 5 CENTS

	Consti	tuents†		Calo	ries in Sa	ample		Total Nutri-
No.	Corned Beef	Buttered Bread	Total Bomb	Pro- tein	Fat	Carbo- hydrate	Pro- tein Nutri- tional	tional Cal- ories for 5 Cents
1	56.2	11	180.7	48.8	40.9	91.0	35.1	167.0
2	16.5	46.2	203.2	42.6	73.9	86.7	30.6	191.2
2 3 4 5 6 7	11.6	46.3	176.9	44.9	35.5	96.5	32.2	164.2
4	24.5	43.8	253.7	61.1	86.3	106.3	43.9	236.5
5	8.6	42.8	182.6	34.0	57.5	91.1	24.4	173.0
6	19.4	36.1	186.0	57.9	50.6	77.5	41.6	169.7
7	21.0	45.0	216.3	60.6	44.2	111.5	43.5	199.2
8	14.4	48.7	234.6	55.2	59.5	119.9	39.6	219.0
9	17.7	50.5	227.7	62.6	47.0	118.1	44.9	210.0
10	17.7	38.9	180.6	55.4	35.7	89.5	39.8	165.0
11	25.3	48.8	242.9	76.0	52.9	114.0	54.6	221.5
12	10.0	40.7	168.6	41.7	31.6	90.3	30.0	156.9
13	16.4	42.4	206.6	56.5	45.0	105.1	40.6	190.7
14	12.9	43.2	212.0	51.2	64.3	96.5	36.8	197.6
15	22.4	37.7	199.7	61.7	52.0	85.4	44.3	182.3
16	24.5	47.8	241.7	59.4	56.8	125.5	42.7	225.0
17	23.0	31.8	151.2	64.7	8.2	78.3	46.4	132.9
18	10.8	40.3	160.7	48.3	18.8	93.6	34.7	147.1

^{##} Total sample.

[†] In grams. F. CREAM, PRICE 15 CENTS

			Calo	ries in Sa	mple		Total Nutri-
No.	Total Sample	Total Bomb	Pro- tein	Fat	Carbo- hydrate	Pro- tein Nutri- tional	tional Cal- ories for 5 Cents
1 2	239.0 102.0‡	515.9 245.1	35.5 14.2	450.3 221.0	30.1 9.9	25.5 10.2	168.7 120.6

[;] Served with shredded wheat; charge for cream 10 cents.

G. MAM SANDWICH, PRICE 5 CENTS

	Const	ituents		Calo	ries in S	ample		Total Nutri-					
No.	Ham	Buttered Bread	Total Bomb	Pro- tein	Fat	Carbo- hydrate	Pro- tein Nutri- tional	tional Cal- ories for 5 Cents					
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	\$\$ 15.7 15.2 14.5 19.3 16.7 26.9 24.3 20.4 15.9 19.9 9.0 20.0 16.3 24.3 18.7 16.4	58.3 50.7 45.1 42.1 41.8 34.1 46.5 48.8 39.6 39.7 50.2 43.9 37.8 46.2 39.7 39.0 35.4	184.3 243.2 212.2 221.3 224.1 196.8 259.0 248.5 222.7 205.8 219.9 179.4 198.5 245.8 204.0 184.4 180.6	47.7 46.3 42.8 39.5 48.6 43.1 61.8 48.7 43.6 61.7 38.4 57.6 49.6 54.1 37.6 42.3	40.8 102.4 72.4 94.8 81.6 74.1 87.1 70.7 84.5 73.1 42.6 42.5 50.7 100.6 64.1 52.8	95.8 94.5 97.0 87.0 93.9 79.6 109.8 116.0 89.5 89.1 115.6 98.5 90.5 95.6 85.8 94.4 79.5	34.2 38.3 30.7 28.4 34.9 31.0 44.6 44.4 34.9 31.3 44.3 27.6 41.3 35.6 38.9 27.0 30.4	170.8 230.2 200.1 210.2 210.4 184.7 241.5 231.1 208.9 193.5 202.5 168.6 182.2 231.8 188.8 173.8 168.7					
18	17.8	40.3	186.5	50.6	42.6	93.3	36.3	172.2					

^{§§} Total sample.

TABLE 8 .- Continued H. RICE CROQUETTES WITH BACON, PRICE 15 CENTS

		Constituents†				Calories in Sample					
No.	Rice Cro- quettes	Bacon	Pota- toes and Sauce	But- tered Bread	Total Bomb	Pro- tein	Fat	Car- bo- hy- drate	Pro- tein Nutri- tional	Nutri- tional Cal- ories for 5 Cents	
1 2	114.1 80.2	4.7 5.0	150.3 114.5	75.3 74.1	688.5 533.4	84.1 74.5	265.4 155.6	339.0 303.3	60.4 53.5	221.6 170.8	

[†] In grams.

I. SMALL STEAK, PRICE 35 CENTS

	Constituents					Calories in Sample					
No.	Steak	Pota- toes	Bread	But- ter	Total Bomb	Pro- tein	Fat	Car- bo- hy- drate	Pro- tein Nutri- tional	Nutritional Calories for 5 Cents	
1 2	145.1 147.9	55.7 86.0	68.2 72.2	5.1 14.1	925.4 1140.1	246.8 228.1	449.8 717.2	228.8 194.8	177.2 163.8	122.3 153.7	

J. TOMATO OMELET, PRICE 20 CENTS

	Co	nstituer		Calories in Sample					
No.	Omelet	Pota- toes	But- tered Bread	Total Bomb	Pro- tein	Fat	Carbo- hy- drate	Pro- tein Nutri- tional	Nutritional Calories for 5 Cents
1 2	170.5 178.9	78.5 §	76.5 112.6*	633.2 738.5	83.3 145.6	205.2 313.5	344.7 279.4	59.8 104.5	121.9 174.4

[§] No potatoes given. * Rolls and butter

- K. PLAIN OMELET, PRICE 15 CENTS

	Const	ituents			Total Nutri-			
No.	Omelet Buttered Bread		Total Pro- Bomb tein		Fat	Carbo- hydrate	Pro- tein Nutri- tional	tional Cal- ories for 5 Cents
1 2 3 4 5 6 7 8	170.8 109.2 116.3 113.6 113.7 105.7 101.1 111.4	69,6 63.9 104.1 84.1 44.1 68.8 43.4 70.3	534.9 531.5 679.5 556.7 476.1 484.2 451.2 521.6	118.0 113.0 137.6 134.9 110.0 103.1 99.5 121.2	230.6 272.8 320.2 248.1 247.6 209.4 249.7 256.4	186.3 145.7 221.7 173.7 118.5 171.7 102.0 144.0	84.7 81.8 98.8 96.9 79.0 74.0 71.4 87.0	167.2 166.5 213.6 172.9 148.3 151.7 141.0 162.5

TABLE 8 .- Continued

L. CREAMED CODFISH ON TOAST, PRICE 15 CENTS

	Constituents†				Total Nutri-				
No.	Cream- ed Codfish	Toast	But- tered Bread	Total Bomb	Pro- tein	Fat	Carbo- hy- drate	Pro- tein Nutri- tional	tional Cal- ories for 5 Cents
1 2	146.4 159.2	46.8 41.3	81.0 60.5¶	617.4 518.2	163.2 148.0	189.1 124.9	265.1 245.3	117.2 106.3	190.5 158.8

¶ Bread not buttered. † In grams.

M. CREAMED CHIPPED BEEF, PRICE 15 CENTS

	Const	Ituents		Calories in Sample						
No.	Chipped Beef	Buttered Bread	Total Bomb	Pro- tein	Fat	Carbo- hydrate	Pro- tein Nutri- tional	Nutri- tional Cal- ories for 5 Cents		
1 2	181.7 210.2	84.6# 73.7	536.3	160.1	148.0	228.2	115.0	163.7		

Sample lost in desiccation.

N. CREAMED CHICKEN ON TOAST, PRICE 20 CENTS

	Constituents			Calories in Sample						
No.	Chicken and Toast	Butter and Bread	Total Bomb	Pro- tein	Fat	Carbo- hydrate	Pro- tein Nutri- tional	Nutri- tional Cal- ories for 5 Cents		
1 2	183.3 160.7	79.0# 40.6	400.2	102.3	88.5	209.4	73.5	92.9		

Sample lost in desiccation.

O. WHEAT CAKES WITH MAPLE CANE SYRUP, PRICE 10 CENTS

		Calories in Sample						
No.	Total Sample	Total Bomb	Pro- tein	Fat	Carbo- hydrate Pro- tein Nutri- tional		Nutritional Calories for 5 Cents	
1 2 3	217.6 179.7 192.8	543.5 438.7 512.5	59.6 41.6 58.9	116.1 75.9 128.4	367.8 321.2 325.2	42.8 29.9 42.3	263.4 213.5 248.0	
4 5 6	182.1 193.6 163.1	464.1 484.5 413.6	46.5 51.8 41.0	128.2 127.7 74.7	289.4 305.0 297.9	33.4 37.2 29.5	248.0 225.5 235.0 201.1	

TABLE 8 .- Continued P. OYSTER SANDWICH, PRICE 10 CENTS

	Consti	tuents†		Calories in Sample						
No.	Fried Oyster	Bread	Total Bomb	Pro- tein	Fat	Carbo- hydrate	Pro- tein Nutri- tional	Nutri- tional Cal- ories for 5 Cents		
1 2	36.4 61.4	47.0# 41.4	321.9	50.7	129.0	142.2	36.4	153.8		

Sample lost in desiccation. † In grams.

Q. DEVILED CRAB, PRICE 20 CENTS

	Co	nstltuer	its		Calories in Sample					
No.	Crab (edible)	But- tered Bread	Water Cress	Total Bomb					Nutritional Calories for 5 Cents	
1 2	71.7 91.0	68.2 63.7	11.2 19.5	350.3 422.8	78.3 91.5	96.0 116.4	176.0 214.9	56.2 . 65.7	82.1 99.2	

R. GRAHAM CRACKERS, PRICE 5 CENTS

	Total Sample		Calories in Sample							
No.		Total Bomb	Pro- tein	Fat	Carbo- hydrate	Pro- tein Nutri- tional	Nutri- tional Cal- ories for 5 Cents			
1 2	49.1 106.2¶¶	219.4 471.0	21.7 42.5	47.6 99.9	150.1 328.6	15.6 30.5	213.3 229.5			

II Two portions

S. LAMB STEW, PRICE 15 CENTS

	Const	ituents		Total Nutri-				
No.	Lamb Stew	Buttered Bread	Total Bomb	Pro- tein	Fat	Carbo- hydrate	Pro- tein Nutri- tional	tional Cal- ories for 5 Cents
1 2	341.2 370.6	71.3 63.2	663.1 581.2	153.3 140.2	276.3 193.1	233.5 247.9	110.0 100.7	206.6 180.6

T. LARGE OYSTER FRY, PRICE 25 CENTS

Constituents				Total Nutri-				
No.	Fried Oysters	Buttered Bread	Total Bomb	Pro- tein	Fat	Carbo- hydrate	Pro- tein Nutri- tional	tional Cal- ories for 5 Cents
1 2	181.9 201.7	91.5 74.3	853.7 834.9	120.7 130.1	366.1 363.4	366.9 341.4	86.6 93.4	163.9 159.6

TABLE 8 .- Continued U. HAM AND EGGS, PRICE 25 CENTS

	Constituents†					Total Nutri-				
No.	Ham	Eggs	Pota- toes	But- tered Bread	Total Bomb	Pro- tein	Fat	Car- bo- hy- drate	Pro- tein Nutri- tional	tional Cal- ories for 5 Cents
1 2 3 4 5 6 7 8 9	55.3 53.8 62.6 57.5 39.6 75.2 42.7 52.6 43.7	73.4 59.5 86.3 76.3 69.1 57.4 84.1 88.5 66.6	52.5 66.0 78.4 77.4 83.8 125.1 78.5 66.4 83.0	83.5 75.7 73.8 87.8 39.4 73.7 68.2 54.0 64.3	826.2 870.9 873.5 941.5 668.7 969.0 853.5 776.3 803.4	170.5 159.9 199.1 215.5 169.2 184.2 176.4 187.1 175.2	395.0 457.9 393.9 438.5 322.6 433.5 451.7 417.8 396.6	260.7 253.1 280.5 287.5 176.9 351.3 225.4 171.4 231.6	122.4 114.8 142.9 154.7 121.5 132.3 126.7 134.3 125.8	155.6 165.2 163.5 176.1 124.2 183.4 160.8 144.7 150.8

|| Toast, two slices instead of bread, three slices. | † In grams.

V. BEEF STEW WITH VEGETABLES, PRICE 15 CENTS

	Const	ituents		Total Nutri-				
No.	Stew	Buttered Bread	Total Bomb	Pro- tein	Fat	Carbo- hydrate	Pro- tein Nutri- tional	tional Cal- ories for 5 Cents
1 2 3 4 5 6 7 8 9	391.5 387.8 493.9 390.0 364.9 373.6 403.0 426.3 443.3	58.1** 70.4 75.5 70.7 44.4†† 77.5 51.2 40.0†† 68.4	509.6 742.2 797.3 634.6 546.6 684.3 644.5 589.7 606.0	162.3 182.1 162.7 103.6 97.7 173.1 147.2 152.5 158.0	113.0 323.7 300.4 246.4 258.3 215.4 238.6 238.5 172.4	234.3 236.4 334.2 284.6 208.6 295.8 258.7 198.7 275.6	116.5 130.7 116.8 74.4 70.2 124.3 105.7 109.5 113.5	154.6 230.3 250.5 201.8 179.0 211.8 201.0 182.2 187.2

** Bread not buttered. †† Two slices of bread.

W. BUTTER CAKES, PRICE 5 CENTS

No.	Butter		Calo	ries in Sa	mple		Total Nutri-
	Cakes and Butter	Total Bomb	Pro- tein	Fat	Carbo- hydrate	Pro- tein Nutri- tional	tional Cal- ories for 5 Cents
1 2	90.9 101.4	268.1 313.8	43.4 48.8	66.7 75.8	158.0 189.2	31.2 35.0	255.9 300.0

VI. DISCUSSION OF RESULTS

Of forty-seven (47) orders classed as pastry and dessert there was obtained a mean of 233.0 nutritional calories for 5 cents, the highest of the class being Napoleon with 453.6 calories and the lowest strawberry shortcake with 91.8 calories.

Of twenty-four (24) orders classed as beans there was obtained a mean of 204.5 nutritional calories for 5 cents, the highest of the class being Boston baked beans with 307.6 calories and the lowest Boston beans "on the side" with 133.7 calories.

Of fifty-six (56) orders classed as sandwiches there was obtained a mean of 180.3 nutritional calories for 5 cents, the highest of the class being roast beef sandwich with roll with 357.8 calories and the lowest sliced chicken sandwich with 78.1 calories.

Of twelve (12) orders classed as dairy dishes there was obtained a mean of 174.4 nutritional calories for 5 cents, the highest of the class being milk crackers with 317.1 calories and the lowest cream of wheat with 63.0 calories.

Of eighty-seven (87) orders classed as meats there was obtained a mean of 174.1 nutritional calories for 5 cents, the highest of the class being lamb croquettes and mashed potatoes with 291.4 calories and the lowest deviled crab with 83.0 calories.

Of forty-four (44) orders classed as miscellaneous there was obtained a mean of 164.7 nutritional calories for 5 cents, the highest of the class being corn muffins with 342.2 calories and the lowest tomatoes and lettuce with dressing with 13.5 calories.

Of six (6) orders classed as oysters, there was obtained a mean of 149.4 nutritional calories for 5 cents, the highest of the class being oyster pie with 220.4 calories and the lowest raw oysters with 18.6 calories.

Of thirty-three (33) orders classed as eggs there was obtained a mean of 140.7 nutritional calories for

5 cents, the highest of the class being plain omelet with 231.5 calories and the lowest two poached eggs on toast with 65.6 calories.

Of four (4) orders classed as salads there was obtained a mean of 135.9 nutritional calories for 5 cents, the highest of the class being potato salad with 217.0 calories and the lowest crab meat salad with 99.5 calories.

Of seventeen (17) orders classed as soups there was obtained a mean of 116.0 nutritional calories for 5 cents, the highest of the class being beef stew with 251 calories and the lowest tomato soup with rice with 36.6 calories.

Of fourteen (14) orders classed as fruits there was obtained a mean of 88.8 nutritional calories for 5 cents, the highest of the class being baked apple with cream with 196.0 calories and the lowest cantaloup with 12.1 calories.

The order containing the highest number of nutritional calories for 5 cents was Napoleons, containing 453.6 calories, and the lowest cantaloup with 12.1 calories for 5 cents.

The order containing the highest number of nutritional calories regardless of cost was tenderloin steak with onions with 1,351 calories and costing 60 cents, the lowest sliced pineapple with 35.3 calories and costing 5 cents.

Of the orders containing bread the fractional part of the nutritional energy of the order from this source averages 43.7 per cent. of the total.

An analysis of champagne is included in the list merely for comparison with the low orders of fruits and vegetables. The champagne (a pint of Mumm's extra dry) was purchased at Charles & Company. It has been assumed in the calculation in the analysis of this item that the alcohol content is used quantitatively as energy. The energy content of a cup of coffee was determined, and attention is called to the fact that the sample contained both cream and sugar. In cases of so-called breakfast foods, the values given herein represent values as purchased in the restaurant, and not those which would have been obtained by purchasing in original packages.

Table 9 shows the cost of 2,500 calories, each order having been calculated to this unit for comparison. This has been done because a man of average weight leading a sedentary life requires 2,500 calories daily to maintain him in health and strength.

The estimated wholesale cost of ingredients per portion was calculated by Miss Laura A. Cauble, special investigator, Bureau of Food Supplies, Association for the Improvement of the Conditions of the Poor. This was done in order that the housewife could realize the actual cost of such orders in case care is exercised in the purchasing of supplies. Wholesale instead of retail prices were used because of the variation of the latter in different localities. The basis of these calculations were obtained from the appended Table 10, showing the wholesale cost of food supplies. In calculating the wholesale cost of ingredients, no allowance has been made for labor, fuel, rent, etc., the cost as shown being the estimated wholesale cost of the raw materials.

A study of Table 9 shows that the majority of the orders are reasonably cheap, for the cost of maintenance, that is, 2,500 calories, by means of the common and popular orders, usually falls between 50 cents and \$1.00. Table 11 shows a summary of the cost table and hardly requires an explanation. It will be seen that each of 34 orders supplies 2,500 calories for 50 cents or less, 18 of the number being classed as pastry and dessert; each of 157 orders supplies 2,500 calories for 50 cents to \$1.00, 60 of which are meat orders; each of 39 orders supplies 2,500 calories for \$1.00 to \$1.50, 10 of which are meat orders.

Thirty-four per cent. of orders costing \$1.00 or less per 2,500 calories were meat orders.

For 50 cents to \$1.00, 2,500 calories were secured in 63 per cent. of all orders.

In view of the fact that 80 per cent. of all the orders purchased by us supplied 2,500 calories for \$1.00 or less, and that 35 per cent. of this number were meat orders, it can hardly be argued that we are in the midst of the "high cost of living."

Attention should not be diverted from the fact that a few orders are extremely high in cost, but these should be especially noted. They are few in number and are the price of flavor.

Table 12 is a classified list of portions arranged in groups according to their caloric value and lends an easy means of dietary regulation. It is possible at a glance to choose a number of articles to total the desired food value of the meal, noting in each instance the individual food value in round numbers of the portion as well as the cost.

A study of the general table will show well balanced rations and a mean of all orders purchased shows that 13.2 per cent. of the total heat is derived from protein, this being an excellent physiologic mean.

TABLE 9.—COST OF 2,500 CALORIES

Name of Food	Cost per Portion	Esti- mated Whole- sale Cost of Ingre- dients per Portion	Nutri- tional Cal- ories per Por- tion	Nutritional Calories for Five Cents	Cost of 2,500 Cal- ories
Apple helped	\$0.05	\$0.005	136.8	136,8	\$0.91
Apple, baked	.10	.029	392.0		
Apple, baked, with ice cream	.10		272.0	196.0	.64
Apple, baked	.10	• • • • •	323.4	136.0 161.7	.92
Apple sauce with whipped	.10	• • • • •	040.4	101.7	.77
	.05		144.2	144.2	.87
Asparagus, creamed on toast	.20		196.8	49.2	2.54
Recon broiled	.20		741.0	185.3	.67
Bacon, broiled	.25		776.3	155.3	.81
Bacon, fried, with French	.20		110.0	100.0	*01
fried potatoes	.20	.077	832.4	208.1	.60
Bananas, sliced	.05		89.9	89.9	1.39
Bananas, sliced	.10		252.3	126.2	.99
Reans haked with macaroni	.15		587.3	195.8	.64
Beans, Boston Daked	.10	.029	480.6	240.3	.52
Beans, Boston, on the side	.05		133.7	133.7	.94
Beans, New York baked	.10	.041	459.4	229.7	.54
Beans, New York, on the side	.05		223.4	223.4	.56
Beans, New York baked Beans, New York, on the side Beans, New York baked, with					.00
tomato sauce	.10		403.0	201.5	.62
Beef cakes with brown gravy					
and macaroni	.15		674.4	224.8	.56
Beef, chipped, and scrambled					
eggs Beef, corned	.20		730.8	182.7	.68
Beef, corned	.15	.024	397.2	132.4	.94
Beef, corned, and Boston					
peans	.15		500.2	166.7	.75
Beef, corned, and New York					
beans	.15		537.4	179.1	.70
Beef, corned, hash and poach-					
ed egg	.20	• • • • •	635.7	158.9	.79
Beef, corned, hash browned	15	0.45	F40.0	450.0	
n pan	.15	.045	510.8	170.3	.73
mith two possess ages	.25		750 7	750 7	
Post sormed both steemed		050	750.7	150.1	.83
Poof corned hash steamed	.15	.050	508.0	169.3	.74
with poached egg	.20	.061	535.2	133.8	.93
Reef corned with notato	.20	.001	000.2	100.0	.90
galad with potato	.15		429.4	143.1	.87
Beef, creamed chinned	.15	.053	491.2	163.7	.76
Beef, corned, with potato salad Beef, creamed chipped Beef, creamed chipped, on	.10	.000	101.2	100.1	.10
toast	.15	.055	747.6	249.2	.50
Beef, roast, cold	.15		420.3	140.1	.89
Beef, roast, cold Beef, roast, croquettes with					
macaroni	.15		625.0	208.3	.60
Beef, roast, croquettes with					
spaghetti	.15		549.0	183.0	.68
Beef, roast, cutlet and mashed					
potatoes	.15		617.0	205.7	.61
Reaf roast autlet with to-			waa a		
mato sauce	.15		739.6	246.5	.51
mato sauce	.15		666.3	222.1	.56
beer, roast sirioin of, and	- 00		400.0	1010	4 00
mashed potatoes	.20	• • • • •	499.6	124.9	1.00
Beef, roast, with potato salad	.25	• • • • •	537.1	107.4	1.16
Blackberries and cream	.10	• • • • •	220.8	110.4	2.21
Bread, hot corn	.10		457.1	228.6	.55
Bulgarzoon	.05	.017	132.1	132.1	.95
Buns, bath	.05	.009	357.5	357.5	.35
				,	

TABLE 9.—COST OF 2,500 CALORIES—(Continued)

Name of Food	Cost per Portion	Esti- mated Whole- sale Cost of Ingre- dients per Portion	Nutri- tional Cal- ories per Por- tion	Nutri- tional Cal- ories for Five Cents	Cost of 2,500 Cal- ories
Cakes, buckwheat, with country sausage	. \$0.20		618.9	154.7	\$0.81
cane syrup	.10	\$0.037	416.5	208.3	.60
cane syrup Cakes, butter Cakes, chocolate spice	.05	.021	278.0	278.0	.45
Cakes, chocolate spice	.05		324.0	324.0	.39
Cake, coffee	.05	.026	204.6 290.2	204.6 290.2	.61
Cakes, cornmeal with manle	.00	.020	200.2	490.4	140
Cakes, cornmeal with maple cane syrup	.10	.032	550.3	275.2	.45
Cake, banana layer	.05		253.4	253.4	.49
Cake, chocolate layer Cake, walnut layer with marsh	.05		212.4	212.4	.59
Cake, walnut layer with marsh-	-		000.0	000.0	00
mallow icing	.05		323.2 281.9	323.2 281.9	.39 .44
Cake, old fashioned molasses. Cake, pound	.10		382.9	191.5	.65
Cakes, rice with maple cane	.10		00210	101.0	.00
syrup	. .15		556.8	185.6	.67
Cakes, wheat, with maple cane	10	0.10	100 4	001 1	
Syrup	.10	.043	462.1 36.2	231.1 12.1	.54 10.33
Cantaloupe	2.00		344.9	8.6	14.53
Charlotte russe	.05		156.5	156.5	.80
Unicken, creamed, on toast	.20		371.4	92.9	1.35
Chicken croquette and French		000	4000		h-0
fried potatoes	.15	.070	477.9	159.3	.78
potatoes	.15		573.7	191.2	.65
Chicken giblets on toast	.20		612.1	153.0	.82
Chicken hash	.15		440.8	146.9	.85
Chicken wings on toast		.043	672.8 402.4	168.2 100.6	$\frac{.74}{1.24}$
Cocoa	.05	.009	247.5	247.5	.50
Codfish, creamed, on toast	.15	*****	524.0	174.7	.72
Codfish, creamed, on toast Coffee, cup of (contained					
cream and sugar)	.05	.017	195.2	195.2	.64
Corn, stewed		• • • • •	52.5	52.5	2.38
Cornstarch, chocolate, with	.10	• • • • •	222.1	111.1	1.12
cream Cornstarch, chocolate, with	.05	.029	231.6	231.6	.54
Cornstarch, chocolate, with					
whipped cream	.05	• • • • •	159.6	159.6	.78
Cornstarch, strawberry, with whipped cream	.05		102.2	102.2	1.22
Cornstarch, vanilla, with	.00	• • • • •	102.2	102.2	1.44
Cornstarch, vanilla, with cream Crab, deviled	.05	.028	206.5	206.5	.61
Crab, deviled	.20		362.7	90.7	1.38
Crackers, granam	.05	,.	223.3	223.3	.56
Crackers, graham Crackers, milk Crackers, milk, and milk Crackers, soda, and milk	.05		317.1 461.0	317.1 230.5	.39
Crackers, soda, and milk	.10		377.2	188.6	.66
Cream	.15		505.9	168.7	.74
Cream roll	.05	.015	225.1	225.1	.55
Cream of wheat	.10		125.9	63.0	1.98
Cruners		.017	444.0	444.0	.28
Cuptand halad annla -141	.05	.011		111.0	
Crullers	.05	.011			
whipped cream	.10		262.9	131.5	.95
Custard, baked apple, with whipped cream	.10	.019			

^{*} Not purchased in the restaurant.

TABLE 9.—COST OF 2,500 CALORIES—(Continued)

	1	1			
		Esti-			
		mated	Nutri-	Nutri-	
		Whole-	tional		Cont
	04			tional	Cost
	Cost	sale	Cal-	Cal-	of
Name of Food	per	Cost of	ories	ories	2,500
	Portion	Ingre-	per	for	Cal-
	2 02 0102	dients	Por-	Five	ories
			101-		Olics
		per	tion	Cents	
		Portion			
e-					
Eggs, boiled (2)	\$0.15	\$0.069	364.8	121.6	\$1.03
Eggs, creamed, on toast	.20	.090	622.5	155.6	.80
Eggs, creamed, on toast Eggs, fried (2)	.15	.069	498.1	166.0	.75
Eggs, Illed (2)	.15		626.0	208.7	.60
Egg plant fried in butter	.10			400.7	
Eggs, poached, on toast (2)	.20	.062	262.4	65.6	1.91
Eggs, scrambled (2)	.15	.071	438.9	146.3	.85
Fish cakes with macaroni	.20		507.6	126.9	.99
Figh colog with posched ogg	.20		567.3	141.8	.88
Fish cakes with poached egg	.20				
Fish cakes with spagnetti		*****	482.4	120.6	1.04
Fish cakes with poached egg Fish cakes with spaghetti Fish cakes with tomato sauce	.15	.025	483.7	161.2	.78
Frankfurters and potato					
Frankfurters and potato salad	.15		587.7	195.9	.64
Crana fruit	.15		77.3	25.8	4.85
Grape fruit	.20		892.2	223.1	
Ham, broiled		.081			.56
Ham. cold	.15		550.4	183.5	.68
Ham croquettes	.10		526.1	263.1	.47
Ham and beans (Boston) Ham and beans (New York) Ham and eggs	.25	.076	434.2	86.8	1.44
Ham and beens (Poston)	.15		604.0	201.3	.62
Ham and beans (Doston)	.10	• • • • •			
Ham and beans (New York)	.15		619.8	206.6	.61
Ham and eggs	.25	.115	791.2	158.3	.79
Ham, minced, and scrambled eggs					
POOR	.20		727.7	181.9	.69
Them and notate gold	.20		632.5	158.1	.79
Ham and potato salad		005			
ice cream strawberry	.10	.025	204.1	102.1	1.22
Ham and potato salad	.10	.023	227.5	113.8	1.10
Jelly, pineapple fruit, with whipped cream Jelly, strawberry fruit, with whipped cream					
whinned oream	.05		109.8	109.8	1.14
Toller strombonny fruit with	.00		100.0	10010	****
Jeny, strawberry fruit, with	0.5		1540	154.9	.81
whipped cream	.05		154.9		
Lamb chops (2) Lamb chops breaded, with	.30	.134	811.6	135.3	.92
Lamb chops breaded, with					
mashed potatoes	.20		530.8	132.7	.94
Tamb executete and mached			000.0	10211	***
Lamb croquette and mashed	45	040	074.0	207.4	40
potatoes	.15	.049	874.2	291.4	.43
Lamb cutlet and mashed po-					
tatoes	.15		616.2	205.4	.61
Lamb nie, baked, individual	.15		563.2	187.7	.67
Times and boson	.25	.064	747.2	149.4	.84
Liver and Dacon	.20	.004	111.4	140.4	*04
Lamb pie, baked, individual. Liver and bacon Liver and bacon with Lyonnaise potatoes				4 80	
naise potatoes	.25		755.0	151.0	.83
Liver and onions with French					
fried notatoes	.20		800.2	200.1	.62
fried potatoes Liver, fried, and mashed po-	120		000.2	20011	.02
Liver, fried, and masned po-	15		404.0	1040	50
tatoes	.15		494.3	164.8	.76
Macaroni, side order	.05		125.8	125.8	.99
Macaroni, baked, and cheese.	.10		363,2	181.6	.69
Macaroni, baked, and cheese Mackerel, broiled salt, with mashed potatoes					
mached potetors	.20	.086	768.7	192.2	.65
mashed potatoes					
Maple flakes with milk Meat cakes, German, French	.10		265.3	132.6	.94
Meat cakes, German, French					
fried notatoes	.15		853.4	284.5	.44
Most color Cormon with	•10		50012	20110	
meat cakes, German, with	450		700.0	210.1	P =
Meat cakes, German, with Lyonnaise potatoes	.15		739.2	246.4	.51
MIIK	.10	.034	290.5	145.3	.86
Muffins, corn	.05	.018	342.2	342.2	.37
Nanoleon	.05	.029	453.6	453.6	.28
Napoleon	.00	.048	400.0	400.0	+40
Oatmeal, fresh cooked, with					
cream	.15	.038	383.0	127.7	.98
Omelet, chicken	.25	.086	454.1	90.8	1.38
Omelet, ham	.20	.085	662.4	165.6	.75
Omerce, nam	.20	.000	002.4	103.0	.10
	J			1	

TABLE 9.—COST OF 2,500 CALORIES—(Continued)

		Esti-		1	
		mated	Nutri-	Nutri-	
					Q 1
		Whole-	tional	tional	Cost
	Cost	sale	Cal-	Cal-	of
Name of Food	per	Cost of	ories	ories	2,500
Tume of 100a	Portion	Ingre-	per	for	Cal-
	FOLUOII				
		dients	Por-	Five	ories
		per	tion	Cents	
		Portion			
		1 01 01011			
Omelet, macaroni and to-	00.05		505.0	7707	04.05
mato sauce	\$0.25		595.6	119.1	\$1.05
Omelet, onion	.20	\$0.070	516.5	129.1	.97
Omelet, parsley Omelet, plain Omelet, Spanish with French fried potatoes	.20	.068	460.9	115.2	1.09
Omelet plain	.15	.065	496.5	165.5	.75
Omolot Chamish with Thomas	•10	*000	100.0	100.0	.10
Omelet, Spanish with French	0=	000	aro m		0 =
fried potatoes	.25	.098	659.7	132.1	.95
Omelet, tomato	.20		697.4	174.4	.72
Omelet, tomato Omelet, tomato with potatoes	.25		609.7	121.9	1.03
Orgeons from large	.25			161.8	
Oysters, fry, large			809.0		.77
Oyster fry, plain with bacon	.30		1,030.5	171.8	.73
Oyster fry, plain with bacon Oyster fry, small	.20	.096	696.6	174.2	.72
Ovster Die	1 .15	.069	661.1	220.4	.57
Overage now	.15			18.6	
Oysters, raw	.13		55.9		6.72
Oysters, raw Pie, apple Pie, blackberry Pie, cherry	.05	.009	337.2	337.2	.37
Pie, blackberry	.10		355.8	177.9	.70
Pie cherry	.10		383.0	191.5	.65
Die sessent	•10				
Ple, cocoanut	.05		372.9	372.9	.34
Pie, huckleberry Pie, lemon	.10		359.4	179.7	.70
Pie, lemon	.05	.017	279.7	279.7	.45
Pie, mince	.10	.036	388.1	194.1	.64
Die mee-h	10				
Pie, peach	.10		363.7	181.8	.69
Pie, pineapple	.05		347.4	347.4	.36
Pie, pumpkin	.05		296.1	296.1	.42
		.009	286.8	286.8	.44
Die etwerkerne	000				
Pie, strawberry	.10	.013	376.0	188.0	.66
Pineapple, sliced	.05		35.3	35.3	3.54
Pork and beans, Boston	.15		829.9	276.6	.45
Pork and beans New York	.15		595.9	198.7	.63
Pie, strawberry Pineapple, silced Pork and beans, Boston Pork and beans, New York Potatoes, French fried (extra	*10		000.0	100.1	.00
rotatoes, French fried (extra			0000		
Oluci)	.10	.033	320.8	160.4	.78
Pudding, bread, with vanilla					
sauce	.05	.029	298.4	298.4	.42
Pudding, bread, custard	05	1	355.4		
Fudding, bread, custard	.05		300.4	355.4	.35
Pudding, caoinet, with vanilla					
sauce	.05		399.5	399.5	.31
Pudding, Indian, with maple					
come, mich maple	OF.		227.2	227.2	SF
sauce	.05		221.2	241.4	.55
rudding, New England, with	1				
vanilla sauce	.05		330.7	330.7	.38
sauce Pudding, New England, with vanilla sauce Pudding, rice, cold Pudding, tapioca, apple. Pudding, Tapioca, creamed Rhubarb, stewed Rice, boiled (side order).	.05	.030	263.1	263.1	.47
Pudding tanions apple	.05	.004	217.2	217.2	.57
Dealding, tapiota, apple	.00				
rudding, Taploca, creamed	.05	.015	189.6	189.6	.66
Rhubarb, stewed	.05		93.9	93.9	1.33
Rice, boiled (side order)	.05	.002	130.8	130.8	.96
Rice croquettes with become	.15		588.7	196.2	.64
Dies hat with butter	.10				
Rice, not, with butter	.10		305.2	152.6	.82
kice, hot, with cream	.15		520.1	173.3	.72
Rice, hot, with milk	.10		279.1	139.6	.90
Rice hot with posched egg	.15	.049	429.8	143.3	
Poort Vienne with Franch	110	.049	120.0	149.9	.87
Roast, Vienna, with French					
	.15	.070	834.7	278.3	.45
fried potatoes					
Roast, Vienna, and spaghetti		.054	709.0	996 9	50
Roast, Vienna, and spaghetti	15		708.9	236.3	.53
Rice, boiled (side order). Rice croquettes with bacon. Rice, hot, with butter Rice, hot, with cream. Rice, hot, with milk. Rice, hot, with poached egg. Roast, Vienna, with French fried potatoes Roast, Vienna, and spaghetti and potatoes		.001			
Roast, Vienna, with stewed		.001			
Roast, Vienna, with stewed			524.1	174.7	.72
Roast, Vienna, with stewed tomatoes	.15				.72
Roast, Vienna, with stewed tomatoes	.15	****	398.0	99.5	1.26
Roast, Vienna, with stewed tomatoes	.15		398.0 464.0	99.5 116.0	
Roast, Vienna, with stewed tomatoes	.15	****	398.0	99.5 116.0	1.26 1.08
Roast, Vienna, with stewed tomatoes	.15 .20 .20 .10		398.0 464.0	99.5	1.26

Name of Food	Cost per Portion	Esti- mated Whole- sale Cost of Ingre- dients per Portion	Nutri- tional Cal- ories per Por- tion	Nutritional Calories for Five Cents	Cost of 2,500 Cal- ories
Sandwich, American cheese	\$0.05		230.2	230.2	\$0.54
Sandwich, chicken, sliced	.10	\$0.027	156.2	78.1	1.60
Sandwich, chicken salad	.10	*****	269.3	134.7	.93
Sandwich, club	.25	.065 .020	407.2 186.0	81.4 186.0	1.54 .67
sandwich, crorned beer Sandwich, cream cheese walnut Sandwich, fried egg Sandwich, fish cake Sandwich, ham Sandwich, ham, with roll. Sandwich, minced chicken Sandwich, minced chicken with	.05	.026	201.5	201.5	.62
Sandwich, fried egg	.10	.036	259.2	129.6	.96
Sandwich, fish cake	.10	*****	235.5	117.8	1.06
Sandwich, nam	.05	.021	198.3 261.8	198.3 261.8	.63 .48
Sandwich, minced chicken	.05	.026	220.3	220.3	.57
Sandwich, minced chicken with		.020	220.0	250.0	.01
lettuce	.10	.034	172.5	86.3	1.45
Sandwich, minced ham Sandwich, minced ham with	.05	.025	277.3	277.3	.45
olives	.05	.021	206.8	206.8	.60
Sandwich, minced tongue with					
tea biscuits	.05	004	225.6	225.6	.55
Sandwich, oyster	.10	.024	307.6	153.8	.81
cheese	.05		152.3	152.3	.82
Sandwich, roast beef, hot	.15	.043	244.4	81.5	1.53
cheese Sandwich, roast beef, hot Sandwich, roast beef with roll Sandwich, sardine	.05		357.8	357.8	.35
Sandwich swigs cheese	.05		207.4	207.4 244.0	.60 .51
Sandwich, swiss cheese Sandwich, tomato	.05	.021	133.6	133.6	.94
Sausage, country, and French	.05	.032	227.7	227.7	.55
fried potatoes	.15		501.6	167.2	.75
Shad, baked, and dressing	.20	.154	630.6	157.7	.79
Shortcake, strawberry	.15	.032	275.3	91.8	1.36
Shredded wheat and cream	.15		478.6	159.5	.78
Shredded wheat and milk Soup, bean, with croutons		.047	381.6 168.8	190.8 84.4	.66 1.48
Soup, chicken	.15	.090	301.2	100.4	1.24
Soup, chicken	.10	.075	228.2	114.1	1.10
Soup, tomato, with rice Soup, vegetable	.10	010	73.1	36.6	3.42
Spaghetti and cheese	.10	.019	196.2 · 175.9	98.1 88.0	1.27 1.42
Steak, hamburger	.20	.087	682.1	170.5	.73
Steak, hamburger with Span-					
ish sauce	.20		629.6	157.4	.79
Steak, sirloin Steak, sirloin with onions	.50	.136	1,280.8 1,209.8	128.1 110.0	.98
Steak, small	.35	.090	965.8	138.0	1.14
Steak small with onions	.40		946.5	118.3	1.06
Steak, tenderloin	.55	.200	1,169.3	106.3	1.18
Steak, tenderloin, with onions	.60		1,359.1	113.3	1.10
Steak, tenderloin Steak, tenderloin, with onions Stew, beef Stew, lamb Strawberries with cream.	.15	.059	599.4 580.8	199.8 193.6	.63
Strawberries with cream	.15	.048	275.7	91.9	.65 1.36
Strawberries with ice cream	.15	*****	195.1	65.0	1.92
Tart, strawberry	.10		221.9	111.0	1.13
Toast, buttered	.10	.019	299.3	149.7	.83
Toast, French, with maple cane syrup	.20		716.8-	179.2	.70
Toast, milk	.15	.057	316.8	105.6	1.18
Tomato, sliced	.10		30.3	15.2	8.20
Tomato, sliced with lettuce	.15	• • • • •	49.8	16.6	7.53

Name of Food	Cost per Portion	Esti- mated Whole- sale Cost of Ingre- dients per Portion	Nntri- tional Cal- ories per Por- tion	Nutri- tional Cal- ories for Five Cents	Cost of 2,500 Cal- ories
Tomato and lettuce with dressing Veal cutlet, breaded, and to- mato sauce Veal pot pie with dumplings. Watermelon Weakfish, baked, with dressing	\$0.20 .20 .15 .15 .20	\$0.069	53.8 847.7 524.8 118.3 515.5	13.5 211.9 174.9 39.4 128.9	\$9.26 .59 .71 3.17 .97

TABLE 10.—WHOLESALE PRICES

Groceries:	111000	
Almonds, whole	\$0.21	lb.
Almonds, shelled	37	lb.
Allspice	10	lb.
Apples evenorated	12	lb.
Allspice, cloves and cinnamon, ground Apples, evaporated Baking powder	103	lb.
Beans, string Beans, pea Beef, dried Bread, 22-ounce loaf Bread, 22-ounce loaf day old.	09	lb. can
Beans, pea	0566	
Beef, dried	28	lb.
Bread, 22-ounce loaf	08	
Bread, 22-ounce loaf day old	04	
Bay leaves	003	0Z.
Brandy	2.25	lb. (?)
Brandy Chocolate, Baker's	29	gal.
Citron	16	lb.
Cinnamon	14	lb.
Currants	0825	
Cider	15	gal.
Celery salt	44	lb.
Clams, canned	085	lb.
Cloves Cocoa	10	¼ lb. lb.
Coffee	16	lb.
Cornmeal	018	lb.
Cornmeal Cornstarch	035	lb.
Curry powder	07	bottle
Catsup	37	gal.
Cornflakes	057	pkg.
Flour, wheat Flour, buckwheat	6.25	bbl., .0364 lb.
Horseradish	022	lb.
Lemon extract		qt.
Lard	125	lb.
Mace	047	oz.
Marrow beans	065	lb.
Molasses, New Orleans	29	gal.
Molasses, black strap		gal.
Mustard	034	¼ lb.
Nutmeg Oatmeal		oz.
Olive oil		pt.
Olives	56	gal.
Paprika	04	oz.
Pepper	045	1/4 lb.
Prunes	04	lb. (50-60's)
Peas, split Raisins	04	lb.
Rice		lb.
Salt		lb.
Saltpetre		
Spaghetti	045	lb.
Soda	0175	
Sugar, gran.	04	lb.
Sugar, gran. Sugar, stan. powd. Sugar, XXXX Sherry wine	053	lb. lb.
Sherry wine	65	gal.
Tomatoes	05	qt.
Tabasco sauce	189	bottle
Tabasco sauce Tapioca, pearl	038	lb.
Tea	18	lb.
Thyme		lb.
Vanilla Vinegar		gal.
Walnuts, English		gal. lb.
Worcestershire sauce	3.375	per doz. pts.
Yeast, compressed	015	0Z.
Dairy Products:	0.5	,,
Butter	35	lb.
Buttermilk Cream, 25 per cent.	054	qt. qt.
Cheese, American	14	lb.

TABLE 10.—WHOLESALE PRICES—(Continued)

Dairy Products-Continued:	. (55)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Cheese, cream	\$0.0833	nke
Eggs		doz.
Milk	.0625	
Fruits and Vegetables:		• • •
	2.50	bbl.
Apples Bananas	1.25	bch. (150)
Cabbage	.042	head
Carrots	.021	lb.
Celery	.015	stalk
Lettuce Lemons	.03	head
	.14	doz.
Mushrooms	.17	14-oz. can
Onions	.02	lb.
Oranges	.16	doz.
Peppers	1.25	bbl.
Parsley	.0125	
Potatoes	.016 1.50	lb.
Rhubarb	.05	per 100 bunches qt.
Tomatoes	3,50	per crate (144)
Turnips (white)	.03	lb.
	.00	10.
Meats:		
Beef, round	.16	lb.
Beef, rump	.14	lb.
Beef, top round	.16	lb.
Beef, stew meat	.16	lb.
Beef, sirloin	.16	lb.
Beef, tenderloin	.28	lb.
Beet, hamburg	.16	lb.
Beef, tenderloin Beef, hamburg Beef, butt Beef, bull meat, lean.	.16	lb.
Pager	.12	lb.
Bacon	.20	lb.
Chicken (fowl) Chicken, fat	.18	lb. lb.
Lamb, rib chops	.16	lb.
Lamb, shoulder chops	.14	lb.
Lamb, chuck	.12	lb.
Liver	.11	lb.
Ham shanks	.15	each
Ham bones	.10	lb.
Ham for boiling	.18	lb.
Pork, shoulder	.15	lb.
Pork, belly	.16	lb.
Pork, larding	.16	lb.
Sneep casings	.15	lb.
Veal, leg	.16	lb.
Fish		
Blue fish	.12	lb.
Clams, little neck	8.25	per 1,000
Codfish, fresh	.14	lb.
Codfish, salt	.08	lb.
Crab meat, lump	1.25	lb.
Halibut	.07	lb.
Norway mackerel	.125	lb.
Oysters, blue points	6.00	per 1,000
Oysters	4.50	per 1,000
Oyster liquor	.25	qt.
Oysters, box	5.50	per 1,000
Smelts	.09	lb.
Shad	.32	lb.
Tuna fish	1.95	per doz. cans

VIII.—TABLE 11.—SUMMARY OF THE COST OF 2,500 CALORIES WITH REFERENCE TO KIND OF FOOD PURCHASED

				KE	CAPITULA	TION OF	RECAPITULATION OF PRECEDING TABLES	NG TABL	ES	A CANADA CONTRACTOR OF THE PARTY OF THE PART				
Classification	to 50 Cents	50 Cents to \$1.00	\$1.00 to \$1.50	\$1.50 to \$2.00	\$2.00 to \$2.50	\$2.50 to \$3.00	\$3.00 to \$3.50	\$3.50 to \$1.00	\$4.50 to \$5.00	\$6.50 to \$7.00	\$7.50 to \$8.00	\$8.00 to \$8.50	\$9.00 to \$9.50	\$10.00 to \$10.50
Soups	:	2	5	:	:	:	1	:		:	:	:	:	:
Meats	9	09	10	:	:	:	:	:		:	:	:	:	:
Sandwiches	63	14	03	83	:	:	:	:	:	:	:	:	:	:
Eggs	:	11	ra	-	:	:	:	:	:	:	:	:	:	:
Beans	;=4	11	:	:	:	:	:	:	:	:	:	:	:	:
Dairy dishes	1	1-	1	1	:	;		:	:	:	:	:	:	:
Oysters	:	4	:	:	:	:	•	:,	:	1	:	:	:	:
Pastry and dessert	18	20	7	:	:	:	:	:	:	:	:	:	;	:
Salads	:	1	65	;	:	:	:	:	:	:	:	:	:	:
Miscellaneous	2	22	03	:	1	-			:	:	1	-	-	:
Fruits	:	13	2	-	г	:	1	~	-	;	:	:	:	-

IX.—Table 12.—List of Portions in Groups
According to Caloric Value

IX.—TABLE 12.—CLASSIFIED LIST OF PORTIONS ARRANGED

Calories	Soups	Meats	Sandwiches	Eggs	Beans
0 (0-50)		•••••	•••••		
100 (50-150)	Tomato, with rice, 10 cents		Tomato, 5 cents		Boston beans "on the side," 5 cents
200 (150-250)	Bean, with croutons, 10 cents Green split pea, 10 cents Vegetable, 10 cents	Country sausage, 5 cents	American cheese, 5 cents Chicken, sliced, 10 cents Corned beef, 5 cents. Creamed checse with walnut, 5 cents Ham, 5 cents Minced chicken, 5 cents Minced chicken with lettuce, 10 cents Minced ham with olives, 5 cents Minced tongue with tea biscuits, 5 cents Pimento, olive, cheese, 5 cents Sardine, 5 cents		New York beans "on the side," 5 cents
300 (250-350)	Chicken, 15 cents		Chicken salad, 10 cents Fried egg, 10 cents Fish cake, 10 cents	Two poached eggs on toast, 20 cents	

IN GROUPS ACCORDING TO THEIR CALORIC VALUE

Dairy Dishes		Oysters	Pastry and Dessert	Salads	Miscellaneous	Fruits
					Tomatoes, sliced, 10 cents	Cantaloupe, 15 cents Pineapple, sliced, 5 cents
Cream wheat, cents	of 10	Oysters, raw, 15 cents	Cornstarch, strawberry, 5 cents Jelly, pineapple fruit, with whip- ped cream, 5 cents		Bulgarzoon, 5 cents Corn, stewed, 5 cents Macaroni, side order, 5 cents Rhubarb, stewed, 5 cents Rice, boiled, side order, 5 cents Tomatoes, sliced with lettuce, 15 cents. Tomatoes and lettuce with dressing, 20 cts.	Apple, baked, 5 cents Apple sauce with whipped cream, 5 cents Bananas, sliced, 5 cents Grape fruit, 15 cents Watermelon, 15 cents
Corn flak and mi 10 cents G r a h a cracke: 5 cents	lk, m		Cocoanut cake, 5 cents Chocolate layer cake, 5 cents Charlotte russe, 5 cents Chocolate cornstarch with cream, 5 cents Coream roll, 5 cents Cup custard, 10 cents Chocolate eclaire, 5 cents Chocolate eclaire, 5 cents Strawberry ice cream, 10 cents Strawberry tart, 10 cents Strawberry tart, 10 cents Strawberry fruit jelly with whipped cream, 5 cents Indian pudding with maple sauce, 5 cents Apple taploca pudding, 5 cents Creamed taploca pudding, 5 cents		Asparagus creamed on toast, 20 cents Cup of coffee, 5 cents Spaghetti and cheese, 10 cents	Blackberries and cream, 10 cents Strawberries with ice cream, 15 cents
Milk erac ers, 5 cer Maple flak with mi 10 cents	nts		Chocolate spice cakes, 5 cents Coffee cake, 5 cents Banana layer cake, 5 cents		Apple fritters with fruit sauce, 10 cents Butter cakes, 5 cents	Baked apple with ice cream, 10 cents Bananas sliced with cream, 10 cents

TABLE 12.—CLASSIFIED LIST OF PORTIONS ARRANGED IN

	,	TABLE 12.—CI	ENSSITIED LIST	OF TORTIONS	
Calories	Soups	Meats	Sandwiches	Eggs	Beans
300 (250-350)			Ham with roll, 5 cents Minced ham, 5 cents Oyster, 10 cents Hot roast beef, 15 cents Swiss cheese, 5 cents		
400 (350-450)	Clam Chowder, 20 cents	Corned beef, 15 cents Creamed chicken on toast, 20 cents Deviled crabs, 20 cents	Club, 25 cents Roast beef with roll, 5 cents	Two boiled eggs, 15 cents	New York beans with tomato sauce, 10 cents
500 (450-550)		Corned beef and Boston beans, 15 cents Corned beef hash, browned in pan, 15 cents Corned beef hash, steamed, 15 cents Corned beef with potato salad, 15 cents Creamed chipped beef, 15 cents Cold roast beef, 15 cents Roast sirloin of beef and mashed potatoes, 20 cents		Two fried eggs, 15 cents Two scrambled eggs, 15 cents Chicken omelet, 25 cents Parsley Omelet, 20 cents Plain omelet, 15 cents	Boston baked beans, 10 cents New York baked beans, 10 cents Boston beans and corned beef, 15 cents

Dairy Dishes	Oysters	Pastry and Dessert	Salads	Miscellaneous	Fruits
		Walnut layer cake with marshmallow leing, 5 cents Old fashioned molasses cake, 5 cents Baked apple custard with whipped cream, 10 cents Apple pie, 5 cents Lemon pie, 5 cents Lemon pie, 5 cents Pumpkin pie, 5 cents Rhubarb pie, 5 cents Bread pudding with vanilla sauce, 5 cents New England pudding with vanilla sauce, 5 cents Rice pudding, 5 cents Strawberry shortcake, 15 cents		Cocoa, 5 cents Milk 10 cents Corn muffins, 5 cents French fried po- tatoes (extra or- der), 10 cents Hot rice with butter, 10 cents Buttered toast, 10 cents Milk toast, 15 cents Hot rice with milk, 10 cents	Strawberries with cream, 15 cents
Soda crackers and milk, 10 cents O at me all with cream 15 cents Shredded wheat and milk, 10 cents		Pound cake, 10 cents Blackberry pie, 10 cents Cherry pie, 10 cents Cocoanut pie, 5 cents Huckleberry pie, 10 cents Huckleberry pie, 10 cents Peach pie, 10 cts. Peach pie, 10 cts. Pineappie pie, 5 cents Strawberry pie, 10 cents Bread custard pudding, 5 cents Cabinet pudding with v a nilla sauce, 5 cents	Crab meat salad, 20 cents Potato salad, 10 cents	Bath buns, 5 cents Buckwheat cakes with maple cane syrup, 10 cents Baked macaroni and cheese, 10 cents	Baked apple with cream, 10 cents
Milk crack- ers and milk, 10 cents Shredded wheat and cream, 15 cents		Crullers, 5 cents Napoleon, 5 cents	Egg salad, 20 cents	Hot corn bread, 10 cents Wheat cakes with m a p l e c a n e syrup, 10 cents Cream, 15 cents Hot rice with cream, 15 cents Hot rice with poached egg, 15 cents	

		TABLE 12.—C	LASSIFIED LIST	OF PORTIONS	ARRANGED IN
Calories	Soups	Meats	Sandwiches	Eggs	Beans
500 (450-550)		Chicken croquette and French fried p ot a toes, 15 cents Chicken hash, 15 cents Fish cakes with macaroni, 20 cts. Fish cakes with spaghetti, 20 cts. Fish cakes with tomato sauce, 15 cents Fried ham, 25 cents Fried liver with mashed pota- toes, 15 cents. Country sausage and French fried potatoes, 15 cts.			7
600 (550-650)	Beef stew, 15 cents Lamb stew, 15 cents	Corned beef and New York beans, 15 cents Corned beef hash, steamed, with poached egg, 20 cents Roast beef croquette with spaghetti, 15 cents Roast beef with potato s a la d, 25 cents Chicken cutlet with mashed potatoes, 15 cents Creamed codfish on toast, 15 cts. Fish cakes with poached egg, 20 cents Frankfurters with pot a to salad, 15 cents Cold ham, 15 cts. Ham croquette, 10 cents Ham and Boston beans, 15 cents Lamb je, baked, individual, 15 cents Lamb je, baked, individual, 15 cents Pork and New York beans, 15 cents Vienna roast with stewed tomatoes, 15 cts. Veal pot pie with dumpling, 15 cents Baked weakfish with dressing, 20 cents		Macaroni omelet, 25 cents Onion omelet with potatoes, 25 cents Constant of the	Baked beans with macaroni, 15 cents Corned beef and New York beans, 15 cents Ham and Boston beans, 15 cents Pork and New York beans, 15 cents

Dairy Dishes	Oysters	Pastry and Dessert	Salads	Miscellaneous	Fruits
			Tuna fish salad, 25 cents	Cornmeal cakes with maple cane syrup, 10 cents Rice cakes with maple cane syrup, 15 cents Egg plant fried in butter, 15 cents Rice croquettes with bacon, 15 cents	
			,		

TABLE 12.—CLASSIFIED LIST OF PORTIONS ARRANGED IN

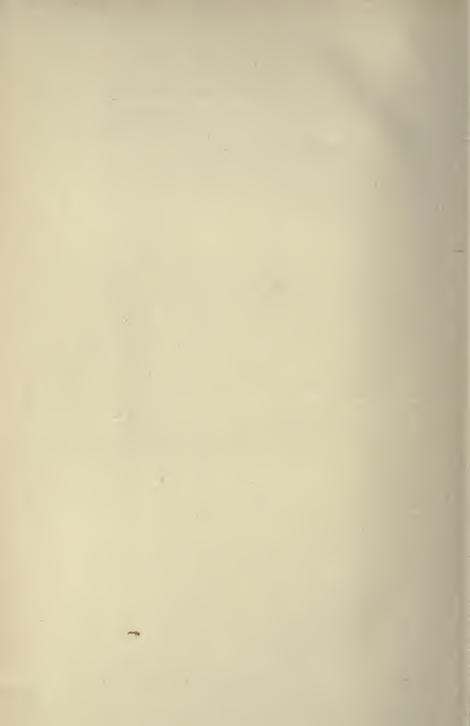
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Calories'	Soups	Meats	Sandwiches	Eggs	Beans
700 (650-750)		Beef cakes with brown gravy and macaroni, 15 cents Corned beef hash with poached egg, 20 cents Roast beef croquette with macaroni, 15 cts. Roast beef cutlet with mashed potatoes, 15 cts. Roast beef hash, browned, 15 cts. Chicken giblets on toast, 20 cts. Ham and New York beans, 15 cents Ham and potato salad, 20 cents Lamb cutlet with mashed potatoes, 15 cents Vienna roast with spaghetti and potatoes, 15 cents Baked shad and dressing, 20 cts. Hamburger steak 20 cents		Creamed eggs on toast, 20 cents Ham omelet, 20 cents Tomato omelet, 20 cents Spanish omelet with French fried potatoes 25 cents	Ham and New York beans, 15
800 (750-850)		Broiled bacon, 20 cents Bacon and eggs, 25 cents Chipped beef and scrambled eggs, 20 cents Corned beef hash browned with two poached eggs, 25 cents Creamed chipped beef on toast, 15 cents Roast beef cutlet with to mat o sauce, 15 cents Chicken wings on toast, 20 cents Ham and eggs, 25 cents Liver and bacon, 25 cents Liver and bacon, 25 cents Liver and bacon with Lyonnaise potatoes, 25 cts. Liver and onions with French fried potatoes, 20 cents Broiled salt mackerel with mashed potatoes, 20 cents German meat cakes with Lyonnaise potatoes, 15 cents		Chipped beef and scrambled eggs, 20 cents Bacon and eggs, 25 cents Ham and eggs, 25 cents Mined ham and scrambled eggs, 20 cents	•

Dairy Dishes	Oysters	Pastry and Dessert	Salads	Miscellaneous	Fruits
	Small oys- ter fry, 20 cents Oyster pie, 15 cents			Buckwheat cakes with country sausage, 20 cents French toast with maple cane syrup, 20 cents	
			-		
	Large oyster fry, 25 cents		1		
		7			
	-		•		

TABLE 12.—CLASSIFIED LIST OF PORTIONS ARRANGED IN

Calories	Soups	Meats	Sandwiches	Eggs	Beans
900 (850-950)		Bacon, fried, with French fried potatoes, 20 cents Broiled ham, 20 cents Two lamb chops, 30 cents Lamb croquette and mashed potatoes, 15 cents German meat cakes with French fried potatoes, 15 cents Pork and Boston beans, 15 cents Vienna roast with French fried potatoes, 15 cents Ve al cutlet, breaded, with tomato sauce, 20 cents			Pork and Boston beans, 15 cents
1000 (950-1050)		Small steak, 35 cents Small steak with onions, 40 cents			
1200 (1150-1250)		Sirloin steak with onions, 55 cents Tenderloin steak, 55 cents			
1300 (1250-1350)	•••••	Sirloin steak, 50 cents			
1400 (1350-1450)		Tenderloin steak with onions, 60 cents			

Dairy Dishes	Oysters	Pastry and Dessert	Salads	Miscellaneous	Fruits
	Oyster fry, plain, with bacon, 30 cents				
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